

drywall manual

annexes

version **1.1.0**

publication date: July 2022



For ease of download, the Siniat Drywall Manual has been split into separate volumes with their own page numbering.

Annexes

This section includes updated information, added since it was published in December 2018.

Revision history

Version	Date of publication
1.0.0	December 2018
1.1.0	July 2022: Content update and rebranded

Please check that this is the current version by visiting the Siniat website. For archived versions please contact technical services.

annexes

These annexes are common to all system sections and should be read in conjunction with other sections to establish full specification and installation information.

Version: 1.1.0
Published: July 2022

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annex a1: taping and jointing

Siniat drywall systems require taping and jointing to complete the wall surface, reinforce joints to prevent cracking, and ensure fire and acoustic performances are achieved.

Siniat Taping and Jointing products use limited combustibility, gypsum and limestone based compounds which secure the fire rating of the system. These are reinforced with paper tape or corner beads to create a smooth, durable surface, ready for decoration. Two and three stage processes are available using the correct Siniat Finish products to provide options on site and different setting times.

Water resistant compounds and finishing accessories are available for Aquaboard™. The Siniat Deco Joint Cement complements the use of Megadeco for direct decoration.

Where to use:

- ▶ Taping and jointing are suitable for large surface areas where speed and ease of application can greatly reduce installation cost and drying time.

Features	Benefits
Applied to low surface areas	Quicker than a full plaster skim with less drying out time
Can be used with automatic taping tools	Flexible, high speed application
Can be hand applied	Versatile enough to suit any job
Wide product range	Suitable for different applications and needs
Gypsum/limestone finish	Excellent finish quality with limited combustibility
Two and three stage processes	Provides a range of speed and product options



system components

boards



All Siniat Boards (see specialist compounds for Aquaboard and Megadeco) Provides wall surface suitable for finishing.

finishing



Siniat Joint Filler
Gypsum based joint compound for filling joints in plasterboards, 90 minute set time.



Siniat Joint Cement
Air-drying joint cement for finishing plasterboard joints.



Siniat Multipurpose Joint Compound
All purpose compound suitable for all stages of the jointing process with 90 minute set time.



Siniat Smartmix
Ready mixed all purpose jointing compound suitable for all stages of the jointing process.



GTEC Aquamix
Ready mixed all purpose jointing compound for use with GTEC Aqua system in severe wet applications.



Siniat Deco Joint Cement
An air drying ready mixed compound for finishing joints with Megadeco.



Siniat Joint Tape
Joint reinforcement in conjunction with Siniat Jointing Compounds.



GTEC Aquastrip
Mesh tape for use with GTEC Aqua system to protect exposed drylining perimeters for wet applications.



GTEC Sealers
For use on plasterboard prior to paint and wallpaper application.



GTEC Corner and Edge beads
Corner and edge reinforcement

system guidance

Compound selection

Joint compound selection is largely a matter of site preference, depending on weather conditions, time and equipment. Siniat compounds can be combined in numerous permutations each offering a high quality surface finish.

However, Aquaboard™ and Megadeco require specific compounds to suit their unique surfaces.

Taping and jointing is conducted in three main stages: bedding; second coat; and finishing coat.



Compound types

- ▶ All compounds are suitable for Bedding and Second Coat, however, setting and hybrid compounds reduce overall time required.
- ▶ Setting and hybrid compounds must not be used over air-drying compounds.
- ▶ Only air-drying or hybrid compounds are suitable for the final finishing coat.
- ▶ Air-drying and hybrid compounds are low shrinkage. Where low shrinkage compounds have been used in Bedding layer the Second Coat may not be required.
- ▶ The drying time of air-drying compounds is dependent on climatic conditions and layer thickness. Drying takes approximately 24 hours but may be extended by adverse conditions.

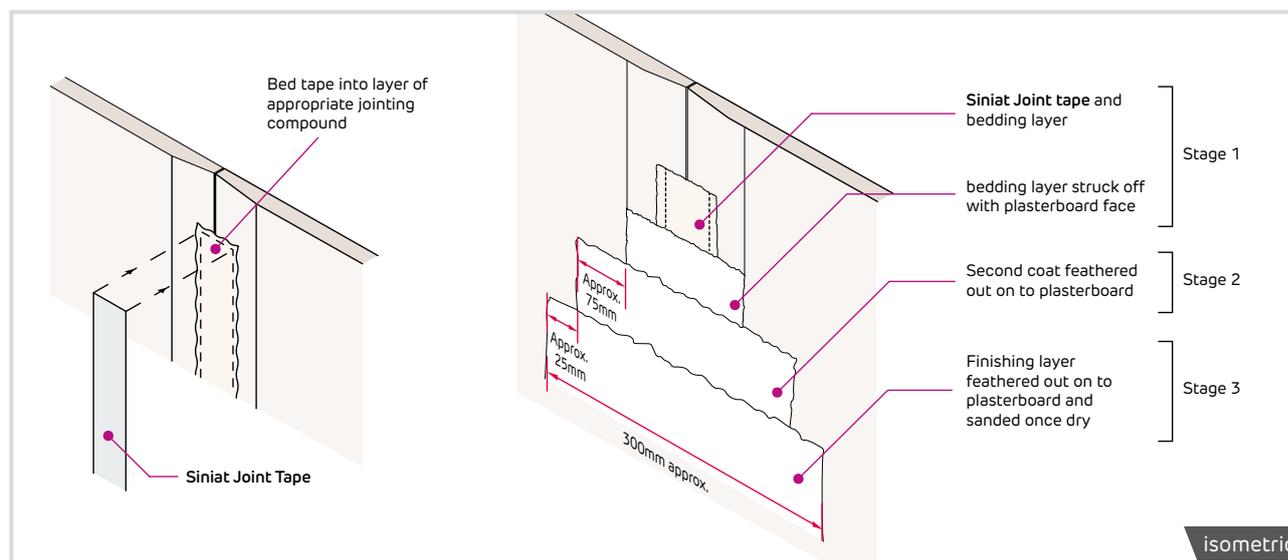
Siniat compound	Format	Type	Compatible boards	Machine use	Shrinkage	Setting time
Joint Filler	Powder	Setting	All (excluding Aqua Board)	No	Low	90 mins
Multipurpose Joint Compound	Powder	Setting/Air-drying	All (excluding Aquaboard™ and Megadeco)	No	Low	90 mins
Joint Cement	Powder	Air-drying		Yes	Low	n/a
Smartmix	Readymix	Air-drying		Yes	Low	n/a
Aquamix	Readymix	Air-drying	Aquaboard™	Yes	Low	n/a
Deco Joint Cement	Readymix	Air-drying	Megadeco	Yes	Low	n/a

Substrate

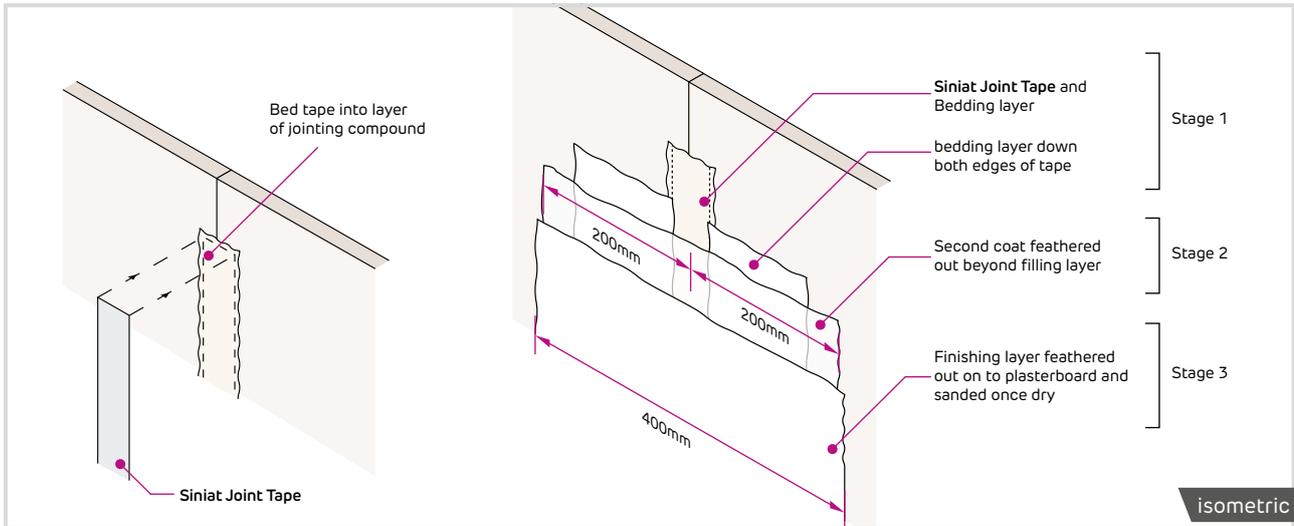
- ▶ Plasterboard to be tapered edged to allow Siniat Joint Tape to sit below finished surface for best finish. Square edged plasterboard may also be jointed following guidance in drawings.
- ▶ Board surfaces to be dry, clean, protected from weather, secure and evenly fixed.
- ▶ Correct screw fixings to be used with screw heads just below surface of board.
- ▶ Taping and jointing should not be carried out at extreme temperatures (greater than 40°C or less than 5°C). Do not tape and joint on frozen backgrounds.

Taping and jointing

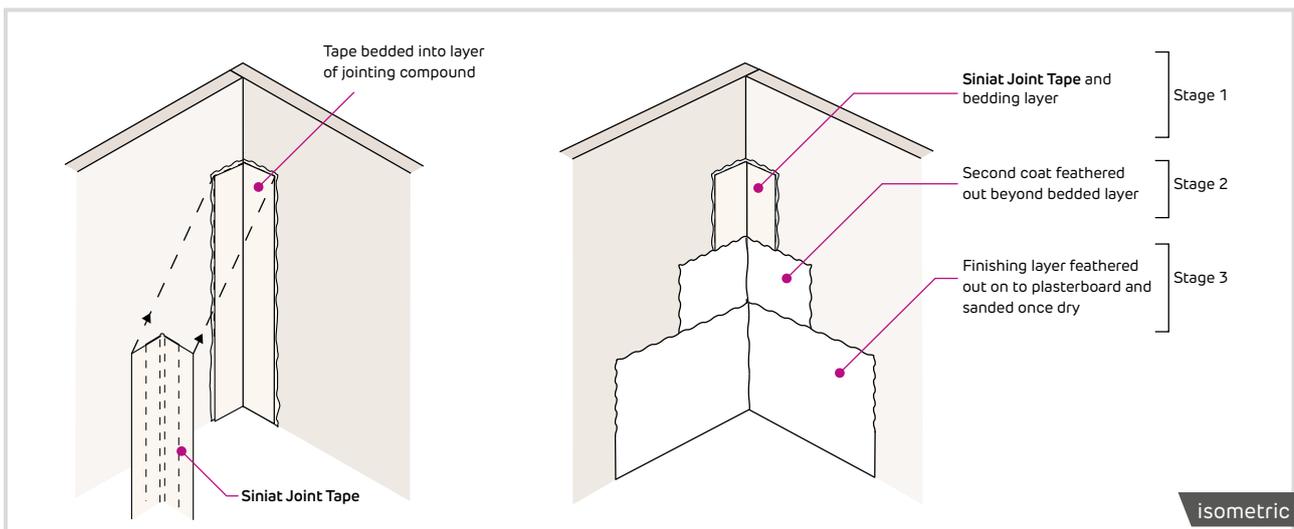
FN-TJ-101&102M – Tapered edge



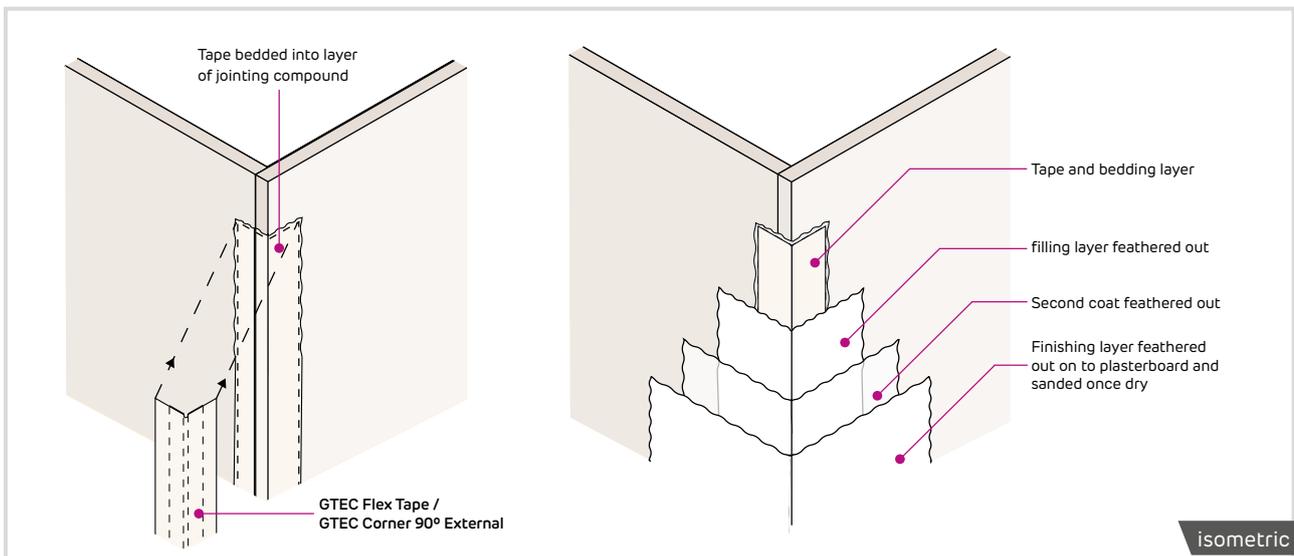
FN-TJ-103&104M – Square or cut edge



FN-TJ-105 & 106M – Internal corner



FN-TJ-107&108M – External corner



- ▶ Screws to be spotted with appropriate jointing compound.
- ▶ Compound to be applied in nominal 1mm layers. Thicker layers will extend drying out time.
- ▶ Siniat Joint Tape cut to length to be pressed into bedding compound without trapping air bubbles, bedding layer of compound to be flush with plasterboard face. Compound to be flush with plasterboard face.
- ▶ Second coat of jointing compound if required to be applied over dry joint, feathered out 50-60mm beyond the edge of first coat. Second coat to be set hard or dry prior to third stage.
- ▶ Finishing coat of compound feathered out 50-60mm beyond second coat. Finished, dry joint to be sanded to smooth finish for sealing and decoration.

square edge joints only:

- ▶ Joint width to be wider to reduce visible crowning.

external corners only:

- ▶ GTEC Flex Tape to be applied in place of Siniat Joint Tape as reinforcement.

machine application:

- ▶ Only air-drying compounds should be used in automatic taping machines.
- ▶ Setting compounds such as Siniat Joint Filler are not suitable for automatic taping machines.

high and severe moisture exposure:

- ▶ GTEC Aquamix compound to be used in high and severe moisture/humidity exposure areas.
- ▶ In areas of severe moisture exposure Aquaboard™ to be coated with two layers of GTEC Drywall Sealer.

Decoration

- ▶ Surfaces and joints to be dry prior to finishing.
 - ▶ Joint to be sanded smooth for decoration. Surfaces to be dust free prior to sealing.
 - ▶ Seal with either GTEC Drywall Sealer or GTEC Universal sealer prior to paint application to improve whiteness and paint coverage. Megadeco Boards and GTEC Deco joints together do not require sealing.
 - ▶ Paint to be applied in accordance with manufacturer's instructions to dry and dust free surface.
-

annex a2: skimming

A traditional skimming plaster finish provides a surface ready to be decorated and is an alternative to GTEC Taping and Jointing in certain applications. It is particularly suitable where the quality of board installation is poor, and where drying out time is not important.

Most GTEC Boards are designed to accept skim plasters.

system guidance

Application

- ▶ Skim plaster can be applied by hand or machine.
- ▶ Refer to skim plaster manufacturer's instructions for application details.
- ▶ Moisture resistant boards (GTEC MR range and LaDura) to be pre-treated with bonding agent by others. When using PVAC, first coat diluted to 5:1, second coat diluted to 3:1 and skimmed while tacky.
- ▶ Board to be clean of dust, dirt and grease, and sufficiently true to allow the specified thickness of plaster.

Finishing

- ▶ Skim plaster to be allowed to dry out thoroughly before decoration or tiling is started.
- ▶ Paint manufacturer's instructions should be followed for decorating to new plaster.

Board	Suitable for Skim	Pre-treatment
Standard Board	Yes	None
Plank	Yes	None
Contour	Yes	None
Base Board	Yes	None
Vapour Board	Yes	None
Moisture Board	Yes	Bonding agent
Fire Board	Yes	None
Fire MR Board	Yes	Bonding agent
Fire V Board	Yes	None
Fire Core Board	Yes	Bonding agent
E Board	Yes	None
dB Board	Yes	None
Megadeco	No	n/a
Universal Board	Yes	None
LaDura	Yes	Bonding agent
Aquaboard™	No	n/a
Tilebacker	No	n/a
Multipurpose Panel	No	n/a

Thermal Board	Suitable for Skim	Pre-treatment
Thermal PIR		
Thermal XP	Yes	None
Thermal EPS		

annex a3: tiling

Internal dry-lined surfaces are suitable for tiling in a wide variety of applications in both domestic and commercial applications including showers, toilets and bathrooms as well as permanently wet areas such as swimming pools.

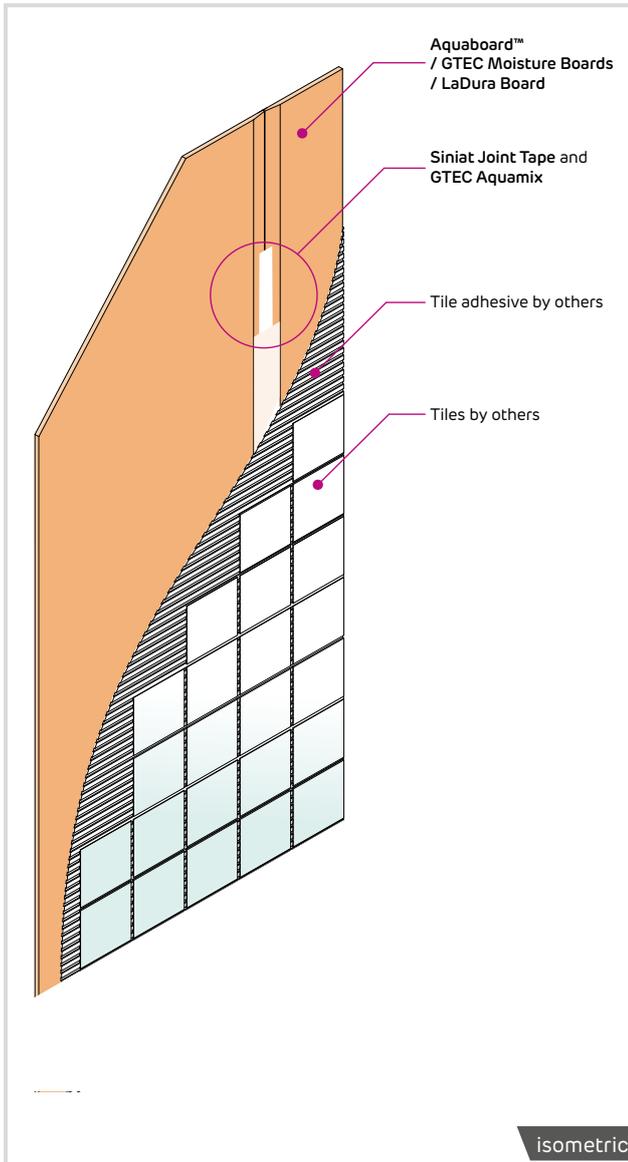
Ceramic tiling can be applied to Aqua, LaDura and GTEC Moisture Boards for use in wet, moist or humid areas. Tiling can be applied to any board if the area is generally dry, such as decorative tiles in a corridor.

Vertical frame centres for linings and partitions to be determined by system height and tile weight.

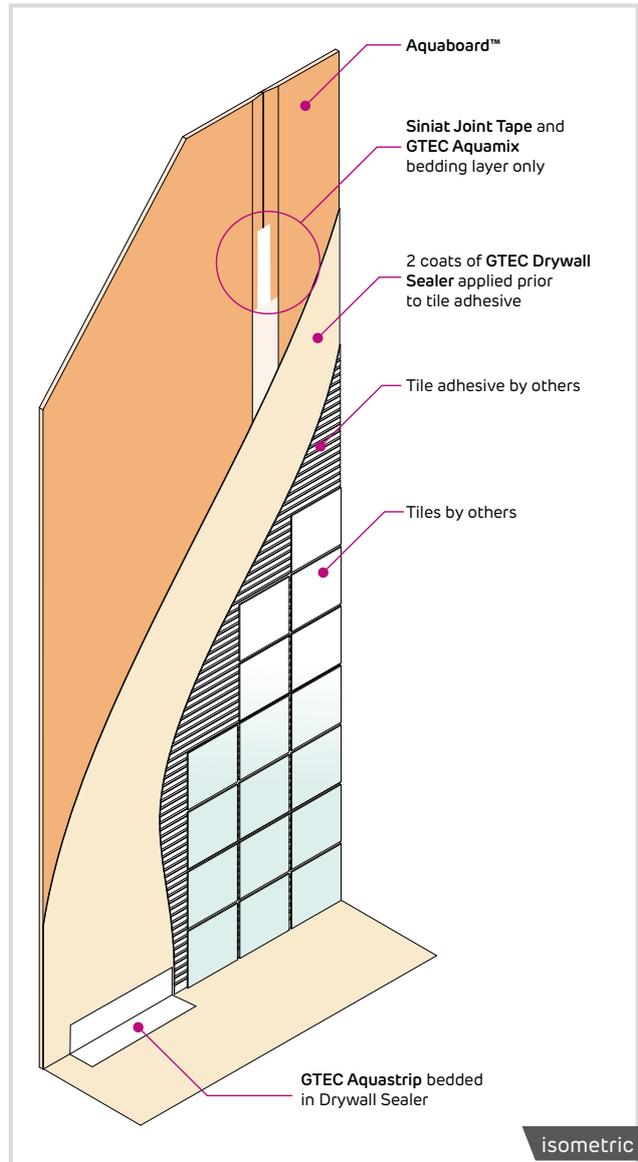
Advice in the subsequent section is for low, medium, high and severe humidity applications.

Board	Normal conditions General internal applications	Low to Medium Humidity Washrooms, toilets, kitchens, bathrooms	High to Severe Humidity Swimming pool, spa, wet rooms, public showers
Aquaboard™	✓	✓	✓
Fire Moisture Board	✓	✓	✗
Moisture Board	✓	✓	✗
LaDura	✓	✓	✗
TileBacker	✓	✓	✗
Multipurpose Panel	✓	✓	✗
All other boards	✓	✗	✗

FN-TL-001M 'Low to high humidity'



FN-TL-002M 'Severe humidity'



system guidance

Substrate

- ▶ All surfaces to be clean and dust free with all loose material removed.
- ▶ Where primer is recommended follow manufacturer's instructions.

Bonding

- ▶ Tiles to be fixed in accordance with BS 5385.
- ▶ Ceramic, glazed and stone tiles to be fixed directly to board using waterproof adhesive which is suitable for plasterboard substrates.
- ▶ Tiles not to exceed maximum weight per square meter depending on board type.

Maximum weight of tiles by type of board at 400mm stud centres*

GTEC Moisture Board	32kg/m ²
LaDura Board	32kg/m ²
Aquaboard™	50kg/m ²

*For greater tile weight please contact Technical Services for recommendations.

Boarding

- ▶ Untiled areas to be taped and jointed, see GTEC Taping and Jointing section, [page 3](#).
- ▶ Taper edge boards to be used to enable formation of flush joints in un-tiled areas and to ensure flat substrate for tiling.
- ▶ Drylining systems using GTEC Universal Bonding Compound in their construction to be allowed 10 days to achieve full strength before tiling.

Finishing

- ▶ For concealed joints, only use Siniat Joint tape and GTEC Aquamix as bedding layer underneath tiling.
- ▶ Untiled areas to be taped and jointed using GTEC Aquamix.
- ▶ In severe humidity areas tiles to be finished with suitable waterproof tile grout and sealed if required.
- ▶ Details at junctions, corners and perimeters to be designed to prevent moisture penetration.
- ▶ Seal around pipes, baths, shower fittings, openings and outlets with waterproof silicone sealant.
- ▶ In areas of severe humidity GTEC Drywall Sealer with GTEC Aquastrip to be used to protect base of partition/lining.

annex a4: cove

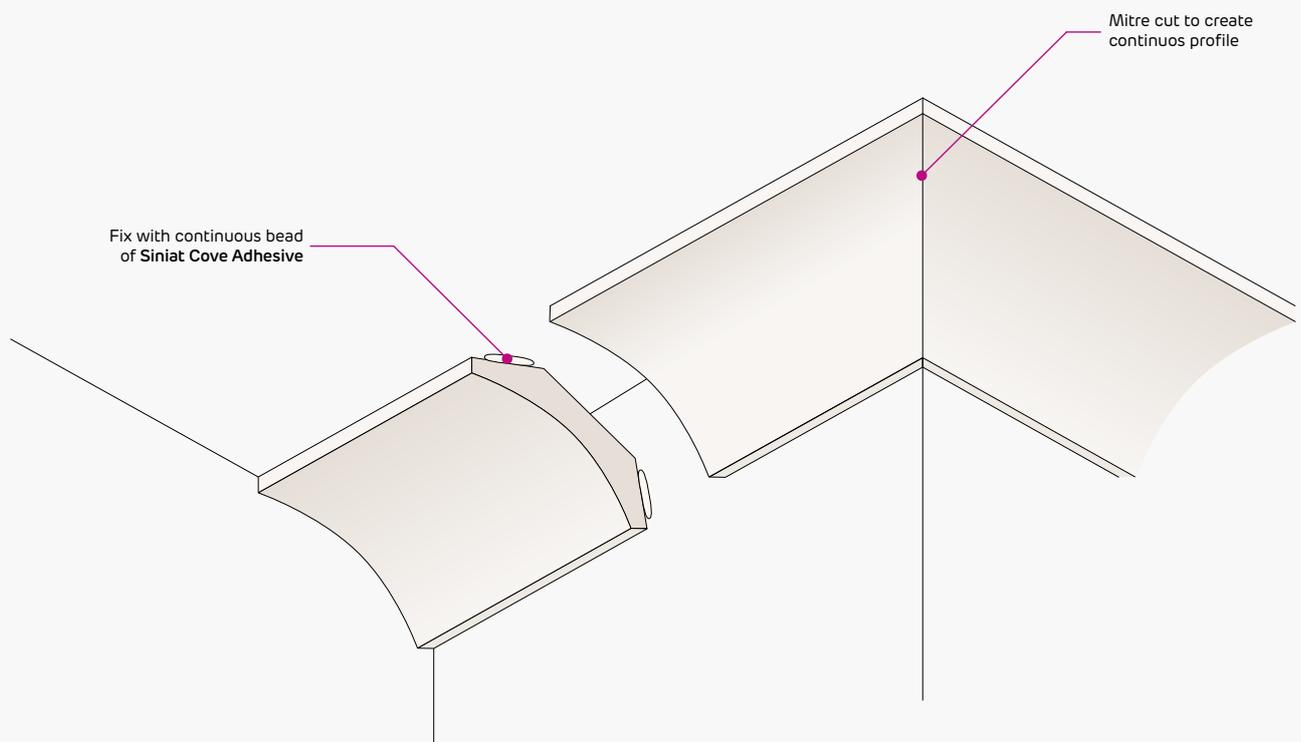
GTEC Cove provides a decorative feature to the ceiling and wall junction, improving the acoustic mass and sealing along the junction.

GTEC Cove is made from gypsum encased in a profiled and strong paper liner, available in two sizes, 90 and 120mm. It is bonded to the wall and ceiling using Siniat Cove Adhesive and it is easy to work with, rigid and provides an excellent surface for decoration.

Where to use:

- ▶ Used in domestic new build or renovation projects to complement the wall and ceiling junction.

Features	Benefits
Flat rear profile	Easy to fix
Decorative shape	Distinctive feature
Gypsum product with paper finish	Versatile enough to suit any job
Wide product range	Easy to decorate and lightweight
Gypsum/limestone finish	Excellent finish quality with limited combustibility
Two and three stage processes	Provides a range of speed and product options



system components

cove



GTEC Cove
Gypsum plaster moulding used to finish the junction of walls and ceilings.

fix



Siniat Cove Adhesive
Gypsum based adhesive, 40 minute setting time for fast fixing of cove.

finishing

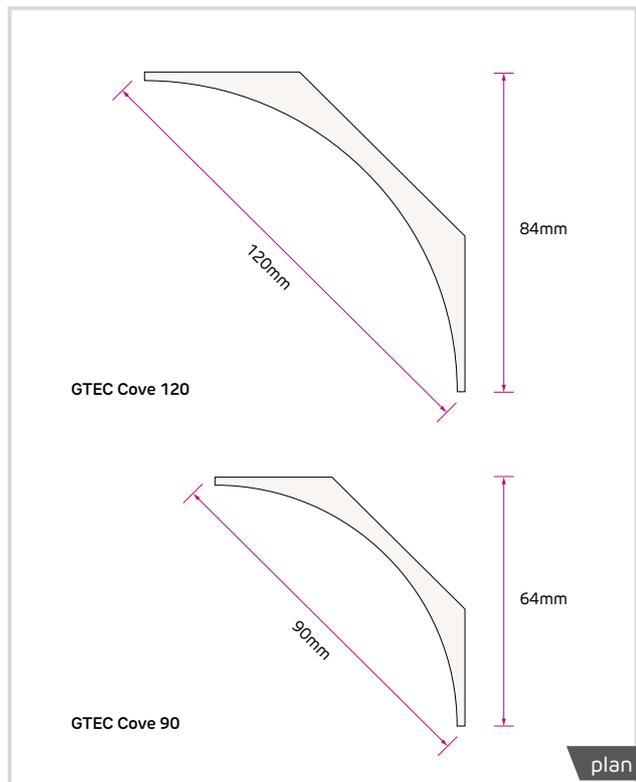


GTEC Universal Sealer
Use prior to painting to improve brightness and coverage.

system guidance

Coving

FN-CV-101S – Cove 90 and 120



- ▶ Substrate to be dry, rigid and dust free, with any wallpaper, whitewash or loose decoration removed.
- ▶ Surfaces which have been previously painted to be abraded and coated with a bonding agent.
- ▶ Nails to be installed below cove location and at 1500mm centres to act as temporary support while cove adhesive sets.
- ▶ Siniat Cove Adhesive to be applied in 3mm thick and 10mm wide beads along full length of each edge of GTEC Cove.
- ▶ Siniat Cove Adhesive to fill any gaps between cove and wall or ceiling.
- ▶ With uneven ceilings it may be necessary to permanently nail cove 25mm from one edge. Nail heads should be countersunk and covered with Siniat Cove Adhesive.
- ▶ Ensure temperature does not fall below 5°C.

Finishing

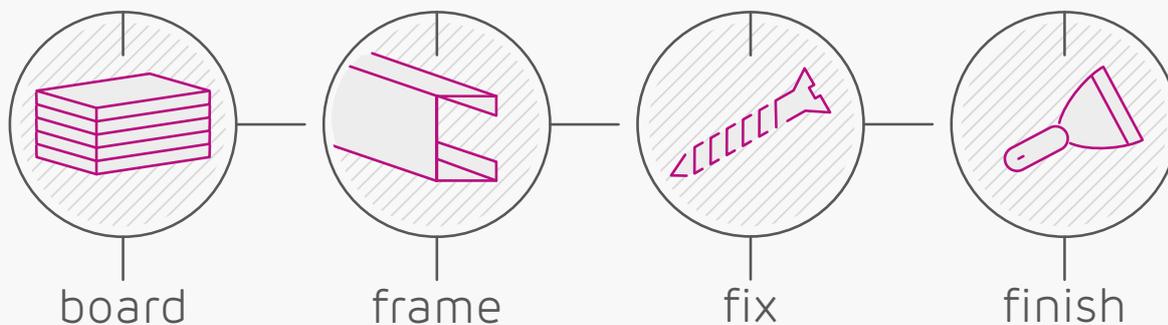
- ▶ Plasterboard strips may be added between coving and ceiling to add extra stepped features. Visible edges of plasterboard strips to be bound edges for decoration.
- ▶ Coat of GTEC Universal Sealer to be applied to enhance paint coverage and finish.



Southmead Hospital
Bristol, UK

Sector: **Healthcare**
Project Value: **£450 million**
Client: **North Bristol NHS Trust**
Architect: **BDP**
Main Contractor: **Carillion**
Sub Contractor: **BR Hodgson**
Siniat Innovations: **Aquaboard™**
and **Megadeco**

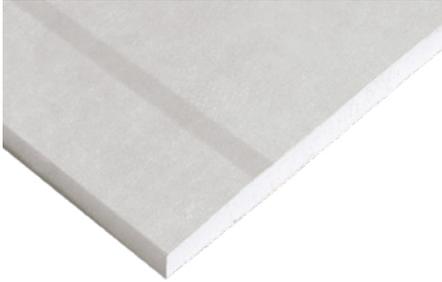
annex b: product reference



GTEC board

Standard board

GTEC Standard Board



Ivory paper-faced GTEC plasterboard for walls and ceiling applications.

Standards: BS EN 520 Type A.

Composition: Aerated calcium sulphate di-hydrate enclosed inside a tough paper with bound edges. Core and papers bonded with starch and PVA edge glue.

Reaction to fire: Euroclass A2-s1, d0.

Finishing: GTEC Standard Board can be jointed and finished with the GTEC Jointing Systems. The boards require priming with GTEC Universal Sealer prior to decorating.

Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal Weight: (kg/m ²)	Thermal Resistance: (R)	Thermal Conductivity (W/mk)	Breaking Loads (acc. BS EN 520)	
						Long.	Trans.
Tapered Edge (TE)							
9.5	1.8 to 2.7	900, 1200	5.95	0.050m ² K/W	λ ^R = 0.19	≥ 400N	≥ 160N
12.5	1.8 to 3.0	900, 1200	8.0	0.066m ² K/W	λ ^R = 0.19	≥ 550N	≥ 210N
15.0	1.8 to 3.0	900, 1200	10.0	0.079m ² K/W	λ ^R = 0.19	≥ 650N	≥ 250N
Square Edge (SE)							
9.5	1.8 to 2.4	900, 1200	5.95	0.050m ² K/W	λ ^R = 0.19	≥ 400N	≥ 160N
12.5	1.8 to 3.0	900, 1200	8.0	0.066m ² K/W	λ ^R = 0.19	≥ 550N	≥ 210N
15.0	2.4	1200	10.0	0.079m ² K/W	λ ^R = 0.19	≥ 650N	≥ 250N

GTEC Plank



A 19mm version of standard plasterboard that gives increased acoustic performance for use in wall and flooring applications.

Standards: BS EN 520 Type A.

Composition: Aerated Calcium sulphate di-hydrate enclosed inside a tough paper with bound edges. Core and papers are bonded with starch. Edge glue is PVA.

Reaction to fire: Euroclass A2-s1, d0.

Finishing: GTEC Plank Board can be jointed and finished with GTEC Jointing Systems. The boards require priming with GTEC Universal Sealer prior to decorating.

Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal weight: (kg/m ²)	Thermal resistance: (R)	Thermal conductivity (W/mk)	Breaking loads (acc. BS EN 520)	
						Long.	Trans.
Tapered edge (TE)							
19.0	2.4	600	14	0.076m ² K/W	λ ^R = 0.19	≥ 850N	≥ 350N
Square edge (SE)							
19.0	2.4	600	14	0.076m ² K/W	λ ^R = 0.19	≥ 850N	≥ 350N

*Some combinations of length and widths may not be commonly available.

Standard board continued

GTEC Contour Board



A strong, light-weight and flexible 6mm plasterboard for creating curved walls and ceilings and resurfacing existing linings or partitions.

Standards: BS EN 520 type D.

Composition: Aerated calcium sulphate di-hydrate with liners made from recycled waste paper. The core is high density gypsum reinforced with chopped strands of glass fibre.

Reaction to fire: Euroclass A2-s1, d0.

Finishing: GTEC Contour Board can be jointed and finished with GTEC Jointing Systems.

Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal Weight: (kg/m ²)	Thermal Resistance: (R)	Thermal Conductivity (W/mk)	Breaking Loads (acc. BS EN 520)	
						Long.	Trans.
Tapered Edge (TE)							
6.0	2.4	1200	5.5	0.024m ² K/W	λ ^R = 0.25	≥ 260N	≥ 101N

GTEC Base Board



A small format ceiling plasterboard which is easy to carry and install.

Standards: BS EN 520 Type P.

Composition: Aerated Calcium sulphate di-hydrate enclosed inside a tough paper with bound edges. Core and papers are bonded with starch. Edge glue is PVA.

Reaction to fire: Euroclass A2-s1, d0.

Finishing: GTEC Base Board is designed for skim finishing

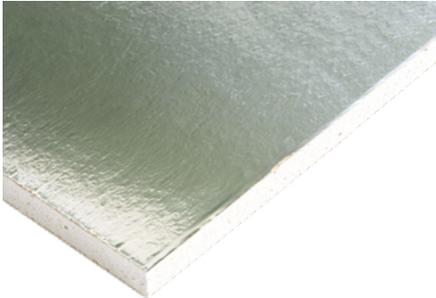
Health and Safety: Please read the relevant Health and Safety Data sheet available on our website or through Technical Services.

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal Weight: (kg/m ²)	Thermal Resistance: (R)	Thermal Conductivity (W/mk)	Breaking Loads (acc. BS EN 520)	
						Long.	Trans.
Square Edge (SE)							
9.5	1.22	900	5.95	0.050m ² K/W	λ ^R = 0.25	≥ 180N	≥ 125N

*Some combinations of length and widths may not be commonly available.

Vapour and water resistant boards

GTEC Vapour Board



GTEC Standard Board with an additional laminated vapour control layer.

Standards: BS EN 520 Type A and BS EN 14190

Composition: GTEC Vapour Board has the same physical properties as GTEC Standard Board but has a silver metallised polyester film back liner to enhance vapour resistance.

Reaction to fire: Euroclass B-s1, d0

Finishing: GTEC Vapour Board can be jointed and finished with GTEC Jointing Systems. The boards require priming with GTEC Universal Sealer prior to decorating.

Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal Weight: (kg/m ²)	Thermal Resistance: (R)	Thermal Conductivity (W/mk)	Breaking Loads (acc. BS EN 520)	
						Long.	Trans.
Tapered Edge (TE)							
12.5	2.4 to 3.0	1200	8.0	0.066m ² K/W	λ ^R = 0.19	≥ 550N	≥ 210N
15.0	2.4	1200	10.0	0.079m ² K/W	λ ^R = 0.19	≥ 650N	≥ 250N
Square Edge (SE)							
12.5	1.8 to 2.4	900, 1200	8.0	0.066m ² K/W	λ ^R = 0.19	≥ 550N	≥ 210N

GTEC Moisture Board



A plasterboard with moisture resistance designed for use in humid areas. *For high humidity areas, upgrade to Aquaboard™.*

Standards: BS EN 520 Type H2.

Composition: Aerated Calcium sulphate di-hydrate with fillers enclosed inside a green paper with bound edges. Core and papers are bonded with starch. Edge glue is PVA.

Reaction to fire: Euroclass A2-s1, d0.

Finishing: GTEC Moisture Board can be jointed and finished with GTEC jointing systems. The boards require priming with GTEC Universal Sealer prior to decorating and treating with PVA bonding agent before plastering.

Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal Weight: (kg/m ²)	Thermal Resistance: (R)	Thermal Conductivity (W/mk)	Breaking Loads (acc. BS EN 520)	
						Long.	Trans.
Tapered Edge (TE)							
12.5	2.4 to 3.0	1200	9.0	0.050m ² K/W	λ ^R = 0.25	≥ 550N	≥ 210N
15.0	2.4	1200	11.85	0.060m ² K/W	λ ^R = 0.25	≥ 650N	≥ 250N

*Some combinations of length and widths may not be commonly available.

Vapour and water resistant boards continued

Aquaboard™



A water resistant plasterboard for use in high humidity or wet applications. Ideal as a tile backing board for bathrooms and commercial kitchens.

Standards: BS EN 15283 Type GM-F, GM-H1 and GM-I

Composition: Aerated Calcium sulphate di-hydrate with liners made from non woven tissue with fillers and fibres enclosed inside gypsum core. Core and papers bonded with starch. Edge glue is PVA. Water resistant additive is silicone oil. Core contains biocide to prevent mould growth.

Reaction to fire: Euroclass A2-s1, d0

Finishing: Aquaboard™ can be jointed and finished with GTEC Aqua Mix jointing system. In wet areas the boards require priming with GTEC Drywall Sealer prior to decorating.

Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal Weight: (kg/m ²)	Thermal Resistance: (R)	Thermal Conductivity (W/mk)	Breaking Loads (acc. BS EN 15283-1)		
						Long.	Trans.	
Tapered Edge (TE)								
12.5	0.85 to 2.7	1200	10.8	0.050m ² K/W	λ ^R = 0.25	≥ 538N	≥ 210N	
15.0	2.4 to 3.0	1200	13.0	0.060m ² K/W	λ ^R = 0.25	≥ 645N	≥ 252N	

Siniat TileBacker



A versatile water resistant fibre cement board for domestic bath and shower room installations.

Standards: EN 12467

Composition: Siniat Tilebacker is made of silica, cement, organic reinforcing fibres from cellulose, functional additives and water.

Reaction to fire: Euroclass A2-s1, d0

Finishing: Siniat Tilebacker is designed to be finished with tiles. The maximum tile weight will depend on the tile adhesive. The maximum recommended tile weight is 60 kg/m².

Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal Weight: (kg/m ²)	Thermal Resistance: (R)	Thermal Conductivity (W/mk)	Breaking Loads (acc. BS EN 15283-1)		
						Long.	Trans.	
Square Edge (SE)								
6.0	0.80	1200	7.2	0.024m ² K/W	λ ^R = 0.25	–	–	
12.0	0.80	1200	14.4	0.048m ² K/W	λ ^R = 0.25	–	–	

*Some combinations of length and widths may not be commonly available.

Fire boards

GTEC Fire Board



A plasterboard providing superior fire resistance for stud partitions, wall lining and ceiling systems.

Standards: BS EN 520 Types D and F

Composition: Aerated Calcium sulphate di-hydrate with fire-resisting fillers and fibres enclosed inside a tough pink paper with bound edges. Core and papers are bonded with starch. Edge glue is PVA.

Reaction to fire: Euroclass A2-s1, d0

Finishing: GTEC Fire Board can be jointed and finished with GTEC Jointing systems. The boards require priming with GTEC Universal Sealer prior to decorating.

Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal Weight: (kg/m ²)	Thermal Resistance: (R)	Thermal Conductivity (W/mk)	Breaking Loads (acc. BS EN 520)	
						Long.	Trans.
Tapered Edge (TE)							
12.5	1.8 to 3.0	900, 1200	10.2	0.050m ² K/W	λ ^R = 0.25	≥ 550N	≥ 210N
15.0	1.8 to 3.0	900, 1200	12.3	0.060m ² K/W	λ ^R = 0.25	≥ 650N	≥ 250N
Square Edge (SE)							
12.5	1.8 to 2.4	900, 1200	10.2	0.050m ² K/W	λ ^R = 0.25	≥ 550N	≥ 210N

GTEC Fire MR Board



A plasterboard providing both fire and moisture resistance.

Standards: BS EN 520 Types D, F and H2

Composition: Aerated Calcium sulphate di-hydrate with fire-resisting fillers and fibres enclosed inside a tough pink paper with bound edges. Core and papers are bonded with starch. Edge glue is PVA.

Reaction to fire: Euroclass A2-s1, d0

Finishing: GTEC Fire MR Board can be jointed and finished with GTEC Jointing systems. The boards require priming with GTEC Universal Sealer prior to decorating. Requires PVA treatment prior to skimming.

Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal Weight: (kg/m ²)	Thermal Resistance: (R)	Thermal Conductivity (W/mk)	Breaking Loads (acc. BS EN 520)	
						Long.	Trans.
Tapered Edge (TE)							
12.5	2.4	1200	10.3	0.050m ² K/W	λ ^R = 0.25	≥ 550N	≥ 210N
15.0	2.4 to 3.0	1200	12.5	0.060m ² K/W	λ ^R = 0.25	≥ 650N	≥ 250N

*Some combinations of length and widths may not be commonly available.

Fire boards continued

GTEC Fire V Board



GTEC Fire Board with an additional laminated vapour control.

Standards: BS EN 520 Types D and F and BS EN 14190

Composition: GTEC Fire Vapour Board has same physical properties as GTEC Fire Board but has a silver metallised polyester film back liner to enhance vapour resistance

Reaction to fire: Euroclass B-s1, d0

Finishing: GTEC Fire V Board can be jointed and finished with GTEC Jointing systems. The boards require priming with GTEC Universal Sealer prior to decorating.

Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal Weight: (kg/m ²)	Thermal Resistance: (R)	Thermal Conductivity (W/mk)	Breaking Loads (acc. BS EN 520)	
						Long.	Trans.
Tapered Edge (TE)							
12.5	2.4	1200	10.2	0.050m ² K/W	λ ^R = 0.25	≥ 550N	≥ 210N
15.0	2.4	1200	12.3	0.060m ² K/W	λ ^R = 0.25	≥ 650N	≥ 250N

GTEC Fire Core Board



High strength, moisture and fire resistant plasterboard for use in GTEC Shaftwall systems.

Standards: BS EN 520 Types D, F, H1, and R

Composition: Aerated Calcium sulphate di-hydrate with fire-resisting fillers and fibres enclosed inside a moisture resistant paper with bound edges. Core and papers are bonded with starch. Edge glue is PVA.

Reaction to fire: Euroclass A2-s1, d0

Finishing: GTEC Fire Core Board can be jointed and finished with GTEC Jointing systems. The boards require priming with GTEC Universal Sealer prior to decorating.

Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal Weight: (kg/m ²)	Thermal Resistance: (R)	Thermal Conductivity (W/mk)	Breaking Loads (acc. BS EN 520)	
						Long.	Trans.
Tapered Edge (TE)							
19.0	3.0	600	16.4	0.076m ² K/W	λ ^R = 0.25	≥ 1102N	≥ 456N

*Some combinations of length and widths may not be commonly available.

Fire Boards continued

Siniat Multipurpose Panel



A versatile A1 fire rated calcium silicate building board. It is resistant to the effects of moisture and can withstand constant temperatures of up to 80°C – Ideal for boiler backing, stove lining, tile backing and soffit lining.

Standards: ETAG 018-4

Composition: Calcium silicate flat sheet composed of a calcium silicate matrix, cement, and mineral fillers.

Reaction to fire: Euroclass A1

Finishing: –

Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal Weight: (kg/m ²)	Thermal Resistance: (R)	Thermal Conductivity (W/mk)	Breaking Loads	
						Long.	Trans.
Square Edge (SE)							
6.0	1.22, 2.44	800, 1220	6.3	0.027m ² K/W	$\lambda^R = 0.22$	–	–
9.0	2.44	1220	9.45	0.041m ² K/W	$\lambda^R = 0.22$	–	–
12.0	2.44	1220	12.6	0.054m ² K/W	$\lambda^R = 0.22$	–	–

*Some combinations of length and widths may not be commonly available.

Acoustic board

GTEC E Board



A 10kg/m² acoustic plasterboard to meet Part E regulations.

Standards: BS 520 Type D

Composition: Aerated Calcium sulphate di-hydrate inside tough liner papers with bound edges. Core and papers are bonded with starch. Edge glue is PVA.

Reaction to fire: Euroclass A2-s1, d0

Finishing: GTEC E Board can be jointed and finished with any of the GTEC Jointing systems. It can be plastered on either side using single coat proprietary gypsum finishing plasters not less than 2mm thick.

Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal Weight: (kg/m ²)	Thermal Resistance: (R)	Thermal Conductivity (W/mk)	Breaking Loads (acc. BS EN 520)	
Tapered Edge (TE)						Long.	Trans.
12.5	2.4	1200	10.2	0.050m ² K/W	λ ^R = 0.25	≥ 550N	≥ 210N

GTEC dB Board



A plasterboard for superior acoustic performance suitable for installation with stud partitions, lining systems and ceilings.

Standards: BS EN 520 Types D and I

Composition: Aerated Calcium sulphate di-hydrate with fillers and fibres enclosed inside tough liner papers with bound edges. Core and papers are bonded with starch. Edge glue is PVA.

Reaction to fire: Euroclass A2-s1, d0

Finishing: GTEC dB Board can be jointed and finished with any of the GTEC Jointing systems. The blue liner paper requires more paint obscuration than normal ivory liner. Allow 10 litres / 100m².

Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal Weight: (kg/m ²)	Thermal Resistance: (R)	Thermal Conductivity (W/mk)	Breaking Loads (acc. BS EN 520)	
Tapered Edge (TE)						Long.	Trans.
12.5	2.4 to 3.0	1200	11	0.050m ² K/W	λ ^R = 0.25	≥ 550N	≥ 210N
15.0	2.4 to 3.0	1200	13	0.060m ² K/W	λ ^R = 0.25	≥ 650N	≥ 250N

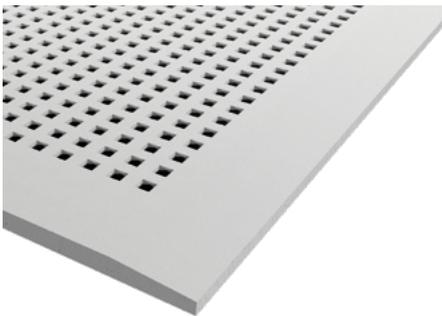
*Some combinations of length and widths may not be commonly available.

acoustic absorption boards

Creason is a range of perforated plasterboards which combine superior sound absorption performance with new Capt-Air technology to improve indoor air quality. Used in ceiling applications for offices, apartments, hospitals, schools, showrooms, auditoriums, cinemas and galleries to improve the acoustic environment.



Creason C10 no. 8



A plasterboard with 10mm square perforations.

Perforated area = 16%.

Standards: BS EN 14190

Composition: Standard plasterboard with 10mm square perforations in eight blocks. Perforated area = 16%

Reaction to fire: B-s1, d0

Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal Weight: (kg/m ²)	Breaking Loads (acc. BS EN 520)	
				Long.	Trans.
Tapered Edge					
12.5	2.4	1200	6.89	-	-

Creason R12 no. 2



A plasterboard with 12mm round perforations.

Perforated area = 14%.

Standards: BS EN 14190

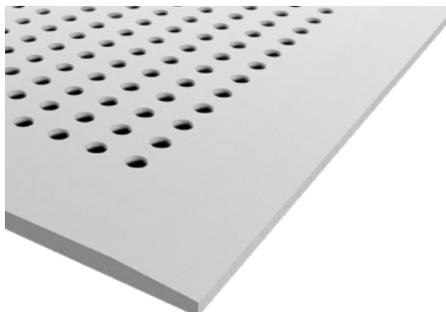
Composition: Standard plasterboard with 12mm round perforations in two blocks. Perforated area = 14%

Reaction to fire: B-s1, d0

Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal Weight: (kg/m ²)	Breaking Loads (acc. BS EN 520)	
				Long.	Trans.
Tapered Edge					
12.5	2.4	1200	7.05	-	-

*Some combinations of length and widths may not be commonly available.

Creason R15 no. 1

A plasterboard with 15mm round perforations.
Perforated area = 16%.

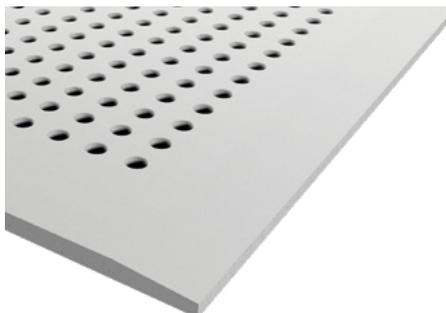
Standards: BS EN 14190

Composition: Standard plasterboard with 15mm round perforations in one block. Perforated area = 16%

Reaction to fire: B-s1, d0

Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal Weight: (kg/m ²)	Breaking Loads (acc. BS EN 520)	
				Long.	Trans.
Tapered Edge					
12.5	2.4	1200	6.89	–	–

Creason R15 no. 8

A plasterboard with 15mm round perforations.
Perforated area = 11%.

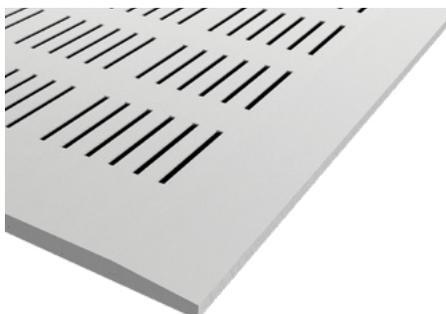
Standards: BS EN 14190

Composition: Standard plasterboard with 15mm round perforations in eight blocks. Perforated area = 11%

Reaction to fire: B-s1, d0

Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal Weight: (kg/m ²)	Breaking Loads (acc. BS EN 520)	
				Long.	Trans.
Tapered Edge					
12.5	2.4	1200	7.23	–	–

Creason L5x80 no. 8

A plasterboard with 5 x 80mm line perforations.
Perforated area = 16%.

Standards: BS EN 14190

Composition: Standard plasterboard with 5 x 80mm line perforations in eight blocks. Perforated area = 11%

Reaction to fire: B-s1, d0

Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal Weight: (kg/m ²)	Breaking Loads (acc. BS EN 520)	
				Long.	Trans.
Tapered Edge					
12.5	2.4	1200	7.23	–	–

*Some combinations of length and widths may not be commonly available.

Impact resistant boards

LaDura



High strength plasterboard giving greater impact, pull out resistance and sound insulation. The ultimate in performance plasterboard.

Standards: BS EN 520 Type D, E, F, H1, I & R

Composition: Aerated calcium sulphate di-hydrate with fillers, glass fibre, wood fibres and moisture resistant agent enclosed inside a tough paper with bound edges. Core and papers are bonded with starch. Edge glue is PVA.

Reaction to fire: Euroclass A2-s1, d0

Finishing: LaDura Board can be jointed and finished with any of the GTEC Jointing systems.

Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal Weight: (kg/m ²)	Thermal Resistance: (R)	Thermal Conductivity (W/mk)	Breaking Loads (acc. BS EN 520)		
						Long.	Trans.	
Tapered Edge (TE)								
12.5	2.4 to 3.0	1200	12.8	0.05m ² K/W	$\lambda^R = 0.25$	≥ 725N	≥ 300N	
15.0	2.4 to 3.0	1200	15	0.06m ² K/W	$\lambda^R = 0.25$	≥ 870N	≥ 360N	

Megadeco



Pre-sealed performance plasterboard for rapid decoration, providing outstanding fire, impact and Acoustic resistance.

Standards: BS EN 520 Type D, F, I and R

Composition: Aerated Calcium sulphate di-hydrate with fillers and fibres enclosed inside a white pre-sealed paper with bound edges. Core and papers are bonded with starch. Edge glue is PVA.

Reaction to fire: Euroclass A2-s1, d0

Finishing: Megadeco Board can be jointed and finished with only GTEC Deco jointing systems. The boards require no primer prior to decorating. The board is not suitable for skim plaster finish.

Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal Weight: (kg/m ²)	Thermal Resistance: (R)	Thermal Conductivity (W/mk)	Breaking Loads (acc. BS EN 520)		
						Long.	Trans.	
Tapered Edge (TE)								
12.5	2.4 to 3.0	1200	11	0.05m ² K/W	$\lambda^R = 0.25$	≥ 725N	≥ 300N	
15.0	2.4 to 3.0	1200	13	0.06m ² K/W	$\lambda^R = 0.25$	≥ 870N	≥ 360N	

*Some combinations of length and widths may not be commonly available.

Impact resistant boards continued

GTEC Universal Board



Highly versatile multi-performance board providing outstanding fire, impact and acoustic resistance.

Standards: BS EN 520 Type D, F, I and R

Composition: Aerated calcium sulphate di-hydrate with fillers and fibres enclosed inside a tough paper with bound edges. Core and papers are bonded with starch. Edge glue is PVA.

Reaction to fire: Euroclass A2-s1, d0

Finishing: GTEC Universal Board can be jointed and finished with any of the GTEC Jointing systems. The surface is suitable for finishing with skimming plaster.

Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal Weight: (kg/m ²)	Thermal Resistance: (R)	Thermal Conductivity (W/mk)	Breaking Loads (acc. BS EN 520)		
						Long.	Trans.	
Tapered Edge (TE)								
12.5	2.4 to 3.0	1200	11	0.05m ² K/W	λ ^R = 0.25	≥ 725N	≥ 300N	
15.0	2.4 to 3.0	1200	13	0.06m ² K/W	λ ^R = 0.25	≥ 870N	≥ 360N	

Security boards

Securtex



A reinforced plasterboard for secure partition systems meeting requirements of Secured by Design and Part Q for residential and commercial buildings.

Standards: BS EN 520

Composition: Aerated calcium sulphate di-hydrate with fillers and fibres enclosed inside tough liner papers with bound edges. Core and papers are bonded with starch. Fibreglass mesh is embedded in the core towards the rear face. Edge glue is PVA.

Reaction to fire: A2-s1, d0

Finishing: Sinit Securtex can be jointed and finished with any of the GTEC Jointing systems. The boards require priming with GTEC Universal Sealer prior to decorating.

Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal Weight: (kg/m ²)	Thermal Resistance: (R)	Thermal Conductivity (W/mk)	Breaking Loads (acc. BS EN 520)		
						Long.	Trans.	
Square Edge (SE)								
15.0	2.4 to 3.0	1200	13.5	0.06m ² K/W	λ ^R = 0.25	≥ 870N	≥ 360N	

*Some combinations of length and widths may not be commonly available.

Thermal boards

GTEC Thermal PIR Board



GTEC Thermal PIR Boards are suitable for a wide range of conversion or refurbishment projects requiring significant upgrade to the thermal performance. An additional vapour control layer reduces the risk of condensation. 12.5mm plasterboard bonded to polyisocyanurate foam (PIR). *(Check building regulations before using in external walls)*
Standards: BS EN 13950

Composition: Aerated Calcium sulphate di-hydrate enclosed inside a tough paper with bound edges. Core and papers are bonded with starch. Edge glue is PVA. Polyisocyanurate Foam is factory bonded to 12.5mm board with various thicknesses using PVA adhesive.

Reaction to fire: Euroclass B-s1, d0

Finishing: GTEC Thermal PIR Board can be jointed and finished with GTEC Jointing Systems. The boards require priming with GTEC Universal Sealer prior to decorating.

Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal Weight: (kg/m ²)	Thermal Resistance: (R)	Thermal Conductivity (W/mk)	Breaking Loads (acc. BS EN 520)		
						Long.	Trans.	
Tapered Edge (TE)								
37.5	2.4	1200	8.4	1.20m ² K/W	λ ^R = 0.022 (insulation)	—	—	
52.5	2.4	1200	8.6	1.89m ² K/W	λ ^R = 0.022 (insulation)	—	—	
62.5	2.4	1200	8.7	2.34m ² K/W	λ ^R = 0.022 (insulation)	—	—	
72.5	2.4	1200	8.8	2.79m ² K/W	λ ^R = 0.022 (insulation)	—	—	
82.5	2.4	1200	9.0	3.25m ² K/W	λ ^R = 0.022 (insulation)	—	—	

*Some combinations of length and widths may not be commonly available.

Thermal boards continued

GTEC Thermal XP Board



GTEC Standard Board laminated to extruded polystyrene to create a product which offers a significant improvement in insulation over standard plasterboard. 9.5mm plasterboard bonded to extruded polystyrene foam (XPS). (Check building regulations before using in external walls)

Standards: BS EN 13950

Composition: Aerated Calcium sulphate di-hydrate enclosed inside a tough paper with bound edges. Core and papers are bonded with starch. Edge glue is PVA. Extruded polystyrene (XPS) is factory bonded to 9.5mm board using PVA adhesive.

Reaction to fire: Euroclass B-s1, d0

Finishing: GTEC Thermal XP Board can be jointed and finished with GTEC Jointing Systems. The boards require priming with GTEC Universal Sealer prior to decorating.

Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal Weight: (kg/m ²)	Thermal Resistance: (R)	Thermal Conductivity (W/mk)	Breaking Loads (acc. BS EN 520)		
						Long.	Trans.	
Tapered Edge (TE)								
27.0	2.4	1200	6.5	0.58m ² K/W	$\lambda^R = 0.033$ (insulation)	—	—	
35.0	2.4	1200	6.8	0.81m ² K/W	$\lambda^R = 0.033$ (insulation)	—	—	
55.0	2.4	1200	7.4	1.41m ² K/W	$\lambda^R = 0.033$ (insulation)	—	—	

*Some combinations of length and widths may not be commonly available.

Thermal boards continued

GTEC Thermal EPS Board



A 9.5mm plasterboard bonded to expanded polystyrene (EPS).
(Check building regulations before using in external walls)

Standards: BS EN 13950

Composition: Aerated Calcium sulphate di-hydrate enclosed inside a tough paper with bound edges. Core and papers are bonded with starch. Edge glue is PVA. Expanded polystyrene (EPS) is factory bonded to 9.5mm board using PVA adhesive.

Reaction to fire: Euroclass B-s1, d0

Finishing: GTEC Thermal Board can be jointed and finished with GTEC Jointing Systems. The boards require priming with GTEC Universal Sealer prior to decorating.

Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal Weight: (kg/m ²)	Thermal Resistance: (R)	Thermal Conductivity (W/mk)	Breaking Loads (acc. BS EN 520)	
						Long.	Trans.
Tapered Edge (TE)							
22.0	2.4	1200	6.3	0.37m ² K/W	λ ^R = 0.037 (insulation)	—	—
30.0	2.4	1200	6.4	0.62m ² K/W	λ ^R = 0.037 (insulation)	—	—
40.0	2.4	1200	6.5	0.89m ² K/W	λ ^R = 0.037 (insulation)	—	—
50.0	2.4	1200	6.6	1.16m ² K/W	λ ^R = 0.037 (insulation)	—	—

*Some combinations of length and widths may not be commonly available.



External boards

Weather Defence™



Weather Defence™ is a A1 non-combustible, gypsum based sheathing board, faced with a water-resistant material. It is strong, easy to cut, lightweight and highly moisture and fire resistant. Weather Defence is a faster way to a weathertight building compared to traditional sheathing boards.

Standards: BS EN 15283 Type GM-F, GM-H1 and GM-I

Composition: Aerated calcium sulphate di-hydrate with liners made from polymers and glass fibre with moisture and fire resistant fillers/ fibres enclosed in gypsum core. Core and facers are bonded with starch. Edge glue is PVA. The board contains a water resistant additive and a biocide to inhibit mould growth.

Reaction to fire: Euroclass A1

Finishing: Weather Defence™ should be sealed with GTEC Fire Rated Silicone Sealant or Weather Defence Joint Tape dependent on performance requirements.

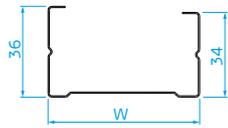
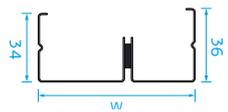
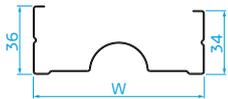
Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.

Thickness (mm)	Lengths* (m)	Widths* (mm)	Nominal Weight: (kg/m ²)	Thermal Resistance: (R)	Thermal Conductivity (W/mk)	Breaking Loads (acc. BS EN 520)	
						Long.	Trans.
Square Edge (SE)							
12.5	2.4	1200	10.8	0.05m ² K/W	λ ^R = 0,25	≥ 680	≥ 310N

*Some combinations of length and widths may not be commonly available.

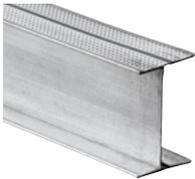
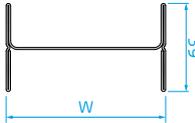
GTEC frame

GTEC Studs

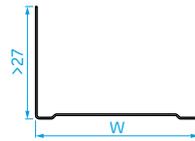
		Thickness (mm)	Width (mm)	Lengths* (m)	Code Ref.	
GTEC C Studs						
 <p>Galvanised C shaped metal section used with GTEC U Track to provide vertical framework for wall linings and partitions and at abutments in other systems</p> <p>Standards: BS EN 14195</p> <p>Composition: Galvanised Steel, hot dipped to BS EN 10346</p> <p>Reaction to fire: A1</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling, cutting and fitting.</p> 	0.5	50	2.4, 2.7, 3.0, 3.6	CS50/RX		
	0.5	60	3.0	CS60/RX		
	0.5	70	2.4, 2.7, 3.0, 3.6, 4.2, 4.8	CS70/RX		
	0.5	90	3.0, 3.6, 4.2	CS90/RX		
	0.5	146	3.0, 3.6, 4.2, 6.0	CS146/RX		
	0.7	146	4.8, 6.0	CS146/B		
	0.9	90	4.8, 6.0	CS90/W		
	1.2	70	4.8	CS70/Y		
	1.2	90	4.8	CS90/Y		
	1.2	146	6.0	CS146/Y		
	GTEC Resilient Acoustic Stud					
	 <p>A revolutionary acoustic stud that creates the narrowest, easiest and quickest way to build separating walls.</p> <p>Standards: EN 10346 and EN 14195</p> <p>Composition: Galvanised steel and resilient tape</p> <p>Reaction to fire: Galvanised steel (Euroclass A1) and resilient tape (Euroclass F)</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling, cutting and fitting.</p> 	0.6	70	2.7, 3.0, 3.6	RAS70/P	
0.6		90	2.7, 3.0, 3.6	RAS90/P		
GTEC Acoustic Stud						
 <p>A unique shaped C Stud that increases acoustic insulation performance beyond standard metal C studs with the same board linings.</p> <p>Standards: BS EN 14195</p> <p>Composition: Galvanised Steel, hot dipped to BS EN 10346</p> <p>Reaction to fire: A1</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling, cutting and fitting</p> 	0.5	70	3.6	AS70/RX		
	0.5	90	4.2	AS90/RX		
	0.5	146	3.0	AS146/RX		

*Bespoke lengths to order.

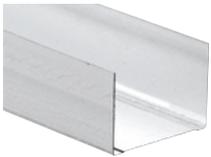
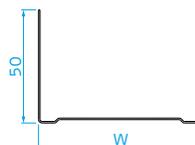
GTEC Studs continued

		Thickness (mm)	Width (mm)	Lengths* (m)	Code Ref.
GTEC I Stud					
 	I shaped section used with U Track to provide a metal frame for GTEC Independent Wall Linings and as an alternative partition stud.	0.5	50	3.0	IS50/RX
		0.7	60	3.0, 3.6	IS60/B
		0.7	70	3.6, 4.2	IS70/B
		0.7	90	6.0	IS90/B
Standards: BS EN 14195					
Composition: Galvanised Steel, hot dipped to BS EN 10346					
Reaction to fire: A1					
Health and Safety: Always wear protective gloves and eyewear when handling, cutting and fitting.					

GTEC Track

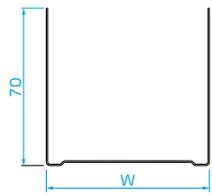
		Thickness (mm)	Width (mm)	Lengths* (m)	Depth (mm)	Code Ref.
GTEC U Track						
 	U shaped section used with C Studs to provide framework for wall linings and partitions.	0.5	52	3.0	>27	UT52/RX
		0.5	62	3.0	>27	UT62/RX
		0.5	72	3.0	>27	UT72/RX
		0.5	92	3.0	>27	UT92/RX
		0.5	148	3.0	>27	UT148/RX
Standards: BS EN 14195						
Composition: Galvanised Steel, hot dipped to BS EN 10346						
Reaction to fire: A1						
Health and Safety: Always wear protective gloves and eyewear when handling, cutting and fitting.						

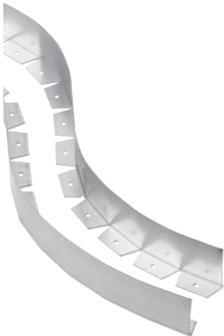
GTEC U Track Deep Flange

 	U shaped section used for partitions with heights exceeding 4.2m or at the soffit where a deflection head is required.	0.6	52	3.0	50	UDT52/P
		0.6	62	3.0	50	UDT62/P
		0.6	72	3.0	50	UDT72/P
		0.6	92	3.0	50	UDT92/P
		0.6	148	3.0	50	UDT148/P
Standards: BS EN 14195						
Composition: Galvanised Steel, hot dipped to BS EN 10346						
Reaction to fire: A1						
Health and Safety: Always wear protective gloves and eyewear when handling, cutting and fitting.						

*Bespoke lengths to order.

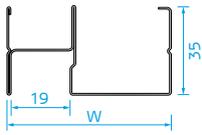
GTEC Track continued

		Thickness (mm)	Width (mm)	Lengths* (m)	Depth (m)	Code Ref.
GTEC U Track Extra Deep Flange						
	U shaped section used for partitions with heights exceeding 7.2m or at the soffit where a deflection head is required.	0.7	52	3.0	70	UXT72/B
		0.9	92	3.0	70	UXT92/W
		0.9	148	3.0	70	UXT148/W
	<p>Standards: BS EN 14195</p> <p>Composition: Galvanised Steel, hot dipped to BS EN 10346</p> <p>Reaction to fire: A1</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling, cutting and fitting.</p>					

		Thickness (mm)	Width (mm)	Lengths* (m)	Code Ref.
GTEC Flex Track Deep Flange					
	GTEC Flex track is designed to allow easy construction of curved partitions. It is a galvanised 0.7mm metal angle used in place of standard metal GTEC U Track. It is supplied pre-cut to allow a minimum radius of 600mm to be achieved.	0.7	70	3.0	DFLEX/B
	<p>Standards: BS EN 14195</p> <p>Composition: Galvanised Steel, hot dipped to BS EN 10346</p> <p>Reaction to fire: A1</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling, cutting and fitting.</p>				

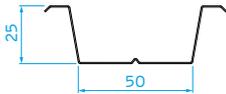
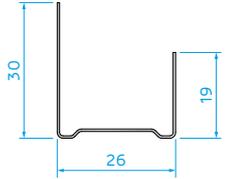
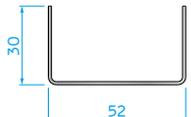
*Bespoke lengths to order.

GTEC Shaftwall

		Thickness (mm)	Width (m)	Length* (m)	Code Ref.
GTEC CH Stud					
 	GTEC Shaftwall Studs for 19mm Fire Core board shaftwalls Non-loadbearing section utilised as part of GTEC Shaftwall Systems.	0.7	60	3.0, 4.8	CHS1960/B
		0.7	90	4.2, 6.6	CHS1990/B
		0.7	146	6.0	CHS19146/B
<p>Standards: BS EN 14195</p> <p>Composition: Galvanised Steel, hot dipped to BS EN 10346</p> <p>Reaction to fire: A1</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling, cutting and fitting.</p>					
GTEC E Stud					
 	GTEC Shaftwall Starter Studs for 19mm Fire Core board shaftwalls Steel sections used for starter studs, intersections, door openings and end studs.	0.7	60	3.0, 4.8	ES1960/B
		0.7	90	4.2, 6.6	ES1990/B
		0.7	146	6.0	ES19146/B
<p>Standards: BS EN 14195</p> <p>Composition: Galvanised Steel, hot dipped to BS EN 10346</p> <p>Reaction to fire: A1</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling, cutting and fitting.</p>					
		Thickness (mm)	Width (m)	Length (m)	Code Ref.
GTEC J Track					
 	J shaped steel section, track utilised as part of the GTEC Shaftwall System.	0.7	62	3.0	JT62/B
		0.7	92	3.0	JT92/B
		0.7	148	3.0	JT148/B
<p>Standards: BS EN 14195</p> <p>Composition: Galvanised Steel, hot dipped to BS EN 10346</p> <p>Reaction to fire: A1</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling, cutting and fitting.</p>					

*Bespoke lengths to order.

GTEC MF ceiling

		Thickness (mm)	Width (mm)	Lengths* (m)	Flange (m)	Code Ref.
GTEC Ceiling Channel						
 	<p>Steel channel used to form the Siniat GTEC Suspended MF Ceiling System.</p> <p>Standards: BS EN 14195</p> <p>Composition: Galvanised Steel, hot dipped to BS EN 10346</p> <p>Reaction to fire: A1</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling, cutting and fitting</p>	0.55	79	3.6	25	MFCC50
GTEC Primary Channel						
 	<p>Steel channel used to support the GTEC Ceiling Channel MFCC50 in the Siniat GTEC Suspended MF Ceiling System.</p> <p>Standards: BS EN 14195</p> <p>Composition: Galvanised Steel, hot dipped to BS EN 10346</p> <p>Reaction to fire: A1</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling, cutting and fitting.</p>	0.8	44	3.6	15	MFPC44
GTEC Edge Channel						
 	<p>Steel channel used to form the perimeter support of the Siniat GTEC Suspended MF Ceiling System.</p> <p>Standards: BS EN 14195</p> <p>Composition: Galvanised Steel, hot dipped to BS EN 10346</p> <p>Reaction to fire: A1</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling, cutting and fitting.</p>	0.5	26	3.6	19/30	MFCE26
GTEC Heavy Gauge Primary Channel						
 	<p>Steel channel used to form heavy duty suspended ceiling grids in place of GTEC Primary Channel MFPC44.</p> <p>Standards: BS EN 14195</p> <p>Composition: Galvanised Steel, hot dipped to BS EN 10346</p> <p>Reaction to fire: A1</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling, cutting and fitting.</p>	1.2	52	3	30	UT52/Y

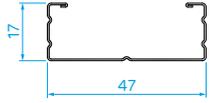
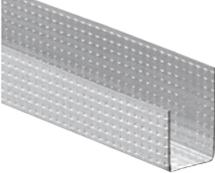
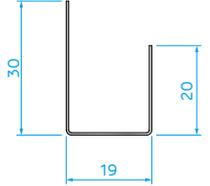
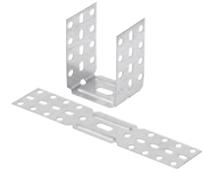
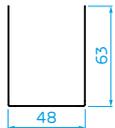
*Bespoke lengths to order.



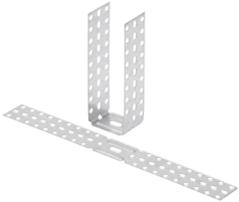
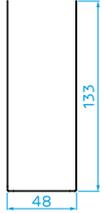
		Thickness (mm)	Width (mm)	Lengths* (m)	Code Ref.
GTEC Connecting Clip					
 <p>A galvanised steel clip for joining GTEC Ceiling Channel to GTEC Primary Channel in the GTEC Suspended MF Ceiling System.</p> <p>Standards: BS EN 14195</p> <p>Composition: Galvanised Spring Steel, hot dipped to BS EN 10346</p> <p>Reaction to fire: A1</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling and fitting.</p>				MFCCLIP	
		Overall Size (mm)	Coating	Maximum Weight (kg)	Code Ref.
GTEC Phonistar Acoustic Hanger					
 <p>Very heavy duty acoustic suspended ceiling hanger bracket for use with the GTEC Suspended MF Ceiling System, capable of supporting services and a secondary ceiling.</p> <p>Standards: BS EN 14195</p> <p>Composition: Zinc galvanised mild steel / Moulded neoprene elastomeric rubber</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling and fitting.</p>	55 x 75	Zinc	120	PHONI	
		Overall Size (mm)	Maximum Weight (kg)	Code Ref.	
GTEC Phonissimo Acoustic Hanger					
 <p>Heavy duty acoustic suspended ceiling hanger bracket for use with the GTEC Suspended MF Ceiling System. This bracket is capable of supporting services and a secondary ceiling.</p> <p>Standards: BS EN 14195</p> <p>Composition: Zinc galvanised mild steel / Moulded neoprene elastomeric rubber</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling and fitting.</p>	70 x 30 x 30	50	PHONIMO		

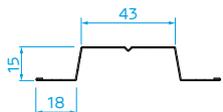
*Bespoke lengths to order.

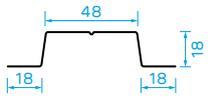
GTEC dryliner

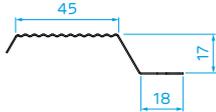
		Thickness (mm)	Width (mm)	Lengths* (m)	Flange (m)	Code Ref.
GTEC Dryliner Channel						
 	<p>Steel channel used to form framed linings supported from brackets attached to a wall.</p> <p>Standards: BS EN 14195</p> <p>Composition: Galvanised Steel, hot dipped to BS EN 10346</p> <p>Reaction to fire: A1</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling, cutting and fitting.</p>	0.5	47	2.4, 2.7, 3.0, 3.6	17	RD1
	GTEC Dryliner Track					
 	<p>Galvanised metal J shaped section used as a track or perimeter channel in the GTEC Dryliner System.</p> <p>Standards: BS EN 14195</p> <p>Composition: Galvanised Steel, hot dipped to BS EN 10346</p> <p>Reaction to fire: A1</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling, cutting and fitting.</p>	0.55	19	3.0	20/30	RD9
	GTEC SR Bracket					
 	<p>Steel section used to brace GTEC Dryliner Channels to substrate in the Siniat GTEC Dryliner System.</p> <p><i>Also available as a GTEC XR Bracket (extended reach).</i></p> <p>Standards: BS EN 14195</p> <p>Composition: Galvanised Steel, hot dipped to BS EN 10346</p> <p>Reaction to fire: A1</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling and fitting.</p>	25-60	48		35	RD2

*Bespoke lengths to order.

		Cavity Width (mm)	Length (mm)	Overall Width* (mm)	Code Ref.
GTEC XR Bracket					
 	<p>Steel section used to brace GTEC Dryliner Channels to substrate in the Siniat GTEC Dryliner System.</p> <p>Standards: BS EN 14195</p> <p>Composition: Galvanised Steel, hot dipped to BS EN 10346</p> <p>Reaction to fire: A1</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling and fitting.</p>	25-130	48	35	RD11

		Thickness Depth (mm)	Length (m)	Depth (mm)	Width (mm)	Code Ref.
GTEC Shallow Wall Channel						
 	<p>Galvanised channel for dabbing to walls or for shot-firing to masonry walls.</p> <p>Standards: BS EN 14195</p> <p>Composition: Galvanised Steel, hot dipped to BS EN 10346</p> <p>Reaction to fire: A1</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling, cutting and fitting.</p>	0.5	2.4	15	79	MFCS/RX

		Thickness (mm)	Length (m)	Depth (mm)	Width (mm)	Code Ref.
GTEC 18mm Pattress Bracket						
 	<p>For attaching local or full height pattressing to Siniat partition or framed lining systems.</p> <p>Standards: BS EN 14195</p> <p>Composition: Galvanised Steel, hot dipped to BS EN 10346: 2015</p> <p>Reaction to fire: A1</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling and fitting.</p>	0.5	2.4	18	84	MFPB/RX

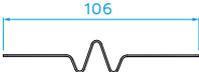
		Thickness (mm)	Length (m)	Code Ref.
GTEC Resilient Bar				
 	<p>Acoustic isolation bar for improving the sound performance of ceilings and walls. Also recommended to avoid sudden noise instances from engineered timber floors.</p> <p>Standards: BS EN 14195</p> <p>Composition: Galvanised Steel, hot dipped to BS EN 10346</p> <p>Reaction to fire: A1</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling, cutting and fitting.</p>	0.5	3.0	RBD3000/RX

GTEC encasements

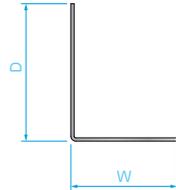
		Thickness (mm)	Maximum Steel Flange Thickness (mm)	Code Ref.
GTEC CB Clip				
 	<p>Light-weight steel clips friction fitted to flanges of structural steelwork in the Siniat GTEC Column and Beam Clip System. Used in conjunction with GTEC Edge Channel..</p> <p>Standards: BS EN 14195</p> <p>Composition: Galvanised Steel, hot dipped to BS EN 10346</p> <p>Reaction to fire: A1</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling and fitting.</p>	0.55	17	CB17
			0.55	27



GTEC accessories: acoustic

	Length (mm)	Minimum Frame Separation (mm)	Code Ref.
GTEC Acoustic V brace			
 	106	35	VBRACE
<p>Spring steel acoustic brace. For bracing twin wall partitions with minimal acoustic transmission.</p> <p>Composition: Spring steel with black phosphate coating</p> <p>Reaction to fire: A1</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling and fitting.</p>			
GTEC Acoustic V Brace 90°			
	65	35	VBRACE90
<p>Spring steel acoustic brace. For bracing twin wall partitions and linings with minimal acoustic transmission.</p> <p>Composition: Spring steel with black phosphate coating</p> <p>Reaction to fire: A1</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling and fitting.</p>			
	Width (mm)	Length (m)	Code Ref.
GTEC Resilient Tape			
	50	12	RAFT50
<p>Self-adhesive acoustic isolation tape</p> <p>Composition: Natural Rubber with a solvent based acrylic adhesive.</p>			

GTEC accessories: angles and flat straps

		Flange Width (mm)	Flange Depth (mm)	Length (m)	Code Ref.
GTEC Metal Angle 90°					
 	Galvanised versatile metal section used in a number of systems	23	30	3.6	MFC2330
	Standards: BS EN 14195	25	25	3.6	MFC2525
	Composition: Galvanised Steel, hot dipped to BS EN 10346	25	50	3.6	MFC2550
	Reaction to fire: A1				
	Health and Safety: Always wear protective gloves and eyewear when handling, cutting and fitting.				
GTEC Flat Strap					
	Galvanised metal GTEC Flat Strap used in linings and partitions to reinforce behind plasterboard joints.	0.5	50	2.4	FS50/RX
	VITAL FOR SYSTEM LIFETIME WARRANTY	0.85	90	2.4	FS90/W
	Standards: BS EN 14195				
	Composition: Galvanised Steel hot dipped to BS EN 10346: 2015				
	Reaction to fire: A1				
	Health and Safety: Always wear protective gloves and eyewear when handling, cutting and fitting.				
GTEC Fixing Channel					
	Galvanised metal channel used in linings and partitions to provide support to plasterboard joints and heavy fixtures.	0.9	99	2.4	MFIX
	Standards: BS EN 14195				
	Composition: Galvanised Steel, hot dipped to BS EN 10346				
	Reaction to fire: A1				
	Health and Safety: Always wear protective gloves and eyewear when handling, cutting and fitting.				



		Length (m)	Code Ref.
GTEC Movement Control Joint			
	<p>Galvanised flexible metal profile used to create movement joints.</p> <p>Composition: Galvanised Steel, hot dipped to BS EN 10346</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling, cutting and fitting.</p>	3.048	MCJ3048

		Width (mm)	Code Ref.
GTEC Insulation Hold			
	<p>Metal strip used with timber and metal framing for holding mineral wool insulation quilt within the cavity to prevent slump.</p> <p>Composition: Galvanised Mild Steel, hot dipped to BS EN 10346</p> <p>Reaction to fire: A1</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling, cutting and fitting.</p>	25	INSR

GTEC fix

GTEC Drywall screws

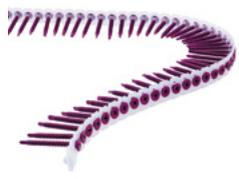
		Length (mm)	Diameter (mm)	Head Type	Drive Type	Thread	Point
GTEC Drywall Screw – Self Tapping							
 <p>For attaching plasterboard to thin gauge GTEC metal. Standards: BS EN 14566 Composition: Carbon steel with zinc coating.</p>	25	3.5	Bugle	Phillips 2	Fine	Self-tapping	
	32	3.5					
	38	3.5					
	42	3.5					
	50	3.5					
	65	4.2					
	75	4.2					
GTEC Drywall Screw – Self Drilling							
 <p>For attaching plasterboard to thick gauge GTEC metal. Standards: BS EN 14566 Composition: Carbon steel with zinc coating.</p>	25	3.5	Bugle	Phillips 2	Course	Self-drilling	
	32	3.5					
	42	3.5					
	50	3.5					
	65	4.2					
	75	4.2					
	GTEC Drywall Screw – High Thread						
 <p>For attaching plasterboard to timber framework. Standards: BS EN 14566 Composition: Carbon steel with black phosphate coating.</p>	32	3.5	Bugle	Phillips 2	Course	Self-tapping	
	38	3.5					
	42	3.5					
	50	3.5					
	65	4.2					
	75	4.2					
	90	4.8					
GTEC Drywall Screw – Wafer Head							
 <p>Low profile head for connecting GTEC metal components beneath plasterboard. Standards: BS EN 14566 Composition: Carbon steel with zinc coating.</p>	13	4.2	Wafer Head	Phillips 2	Fine	Self-tapping	
	12	4.2					Fine



GTEC Performance self tapping screws

	Length (mm)	Diameter (mm)	Head Type	Drive Type	Thread	Point
GTEC Performance Drywall Screw – Self Tapping						
 <p>For use with the Siniat GTEC Performance Boards. Standards: BS EN 14566 Composition: Carbon steel with black phosphate coating.</p>	35	3.9	Bugle	Phillips 2 countersunk	Fine	Self-tapping
	45	3.9				
	65	3.9				

GTEC Wet Area Drywall Screw						
 <p>For use with the Siniat GTEC Performance Boards. Standards: BS EN 14566 Composition: Carbon steel with ceramic coating.</p>	25	3.5	Bugle	Phillips 2	Fine	Self-drilling
	38	3.5			Fine	Self-drilling
	32	3.5			Fine	Self-tapping
	42	3.5			Fine	Self-tapping
	42	3.5			Course	Self-tapping

GTEC Collated Wet Area Screws						
 <p>For use with the Siniat GTEC Performance Boards. Standards: BS EN 14566 Composition: Carbon steel with ceramic coating.</p>	25	3.5	Bugle	Phillips 2	Fine	Self-drilling
	38	3.5			Fine	Self-drilling

GTEC finish

Jointing

	Bag Size (kg)	Coverage Guide	Application
Siniat Joint Filler			
 <p>Setting Compound – Siniat Joint Filler is a gypsum based joint compound designed for stage 1 of the jointing process, bedding and filling plasterboard joints.</p> <p>Standards: BS EN 13963</p> <p>Composition: Calcium sulphate with limestone, binders and aggregates.</p> <p>Reaction to fire: A1</p> <p>Health and Safety: Please read the relevant Health and Safety Data sheet available on our website or through Technical Services.</p>	12.5	25m ² for bedding and second coat. 37m ² as a bedding coat only.	Hand only.
Siniat Multipurpose Joint Compound			
 <p>Setting/Air-Drying Combined – Siniat Multipurpose Joint Compound is a gypsum based compound designed for all 3 stages of the jointing process including bedding, filling and finishing joints.</p> <p>Standards: BS EN 13963</p> <p>Composition: Calcium sulphate with limestone, binders and aggregates.</p> <p>Reaction to fire: A1</p> <p>Health and Safety: Please read the relevant Health and Safety Data sheet available on our website or through Technical Services.</p>	10	25m ² for bedding and second coat. 37m ² as a bedding coat only.	Hand only.
Siniat Joint Cement			
 <p>Air-Drying Compound – Siniat Joint Cement is an air-drying compound mainly used for stage 2 and 3 of the jointing process, first and second finishing coat.</p> <p>Standards: BS EN 13963</p> <p>Composition: Calcium carbonate with binders and additives to improve workability.</p> <p>Reaction to fire: A2-s1, d0</p> <p>Health and Safety: Please read the relevant Health and Safety Data sheet available on our website or through Technical Services.</p>	25	55m ² for a full taping operation. 150m ² for a finishing coat.	Hand or machine.

Jointing continued

		Size (kg)	Coverage Guide	Application
Siniat Smartmix				
	<p>Air-Drying Compound Ready-Mixed – Siniat Smartmix is a ready-mixed compound offering easy application, superior coverage and easy sanding.</p> <p>Standards: BS EN 13963</p> <p>Composition: Calcium carbonate with mica based products, binders and other additives to improve workability. Contains biocides to preserve organic ingredients in the compound.</p> <p>Reaction to fire: A2-s1, d0</p> <p>Health and Safety: Please read the relevant Health and Safety Data sheet available on our website or through Technical Services.</p>	20	<p>50m² for a full taping operation</p> <p>135m² for a finishing coat</p>	Hand or machine
GTEC Aquamix				
	<p>Siniat Aquamix is a water resistant ready-mixed joint cement – For use with GTEC Aqua system in severe wet applications, such as swimming pools.</p> <p>Standards: BS EN 13963</p> <p>Reaction to fire: A2-s1, d0</p> <p>Health and Safety: Please read the relevant Health and Safety Data sheet available on our website or through Technical Services.</p>	20	<p>50m² for a full taping operation</p> <p>135m² for a finishing coat</p>	Hand or machine
Siniat Deco Joint Cement				
	<p>Deco Air-Drying Compound Ready-Mixed – Siniat Deco Joint Cement is a light-weight, ready-mixed compound which must be used for the final coat of the jointing process and can be used for bedding and filling when using the Siniat Deco System. Can be used in automatic taping machines.</p> <p>Standards: BS EN 13963</p> <p>Composition: Limestone and mica based, containing amounts of vinyl polymers and workability aids. Water based.</p> <p>Reaction to fire: A2-s1, d0</p> <p>Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.</p>	20	<p>50m² for a full taping operation</p> <p>135m² for a finishing coat</p>	Hand or machine

Taping

		Roll Size (m)	Nominal Width (mm)
Siniat Joint Tape			
	<p>White perforated cross fibre tape for reinforcing joints. Suitable for hand or mechanical application with Siniat Jointing Compounds.</p> <p>Standards: BS EN 13963</p> <p>Health and Safety: Please read the relevant Health and Safety Data sheet available on our website or through Technical Services.</p>	150	53
Siniat Patching Tape			
	<p>Self adhesive fibreglass tape for patching plasterboard.</p> <p>Standards: BS EN 13963</p> <p>Health and Safety: Please read the relevant Health and Safety Data sheet available on our website or through Technical Services.</p>	90	52
GTEC Flex Tape			
	<p>Cross fibre paper tape with heat bonded zinc coated steel strips for the protection of external corner angles.</p> <p>Health and Safety: Please read the relevant Health and Safety Data sheet available on our website or through Technical Services.</p>	33	51
GTEC Aquastrap			
	<p>This mesh strip is used in the GTEC Aqua System to protect exposed drylining perimeters for wet applications.</p> <p>Health and Safety: Please read the relevant Health and Safety Data sheet available on our website or through Technical Services.</p>	50	100
GTEC Weather Defence™ Joint Tape			
	<p>A single sided adhesive tape for exterior use, providing a high-performance air and weather tightness seal. For use with Weather Defence.</p> <p>Health and Safety: Please read the relevant Health and Safety Data sheet available on our website or through Technical Services.</p>	25	60
Siniat TileBacker Joint Tape			
	<p>An alkaline resistant joint tape for use with Siniat TileBacker.</p> <p>Health and Safety: Please read the relevant Health and Safety Data sheet available on our website or through Technical Services.</p>	20	48



Beads

		Length (mm)
GTEC Corner 90° External		
	<p>Tape-On Beads are a paper tape reinforced with galvanised metal for protection of external corners and board edges. Used for taping and jointing.</p> <p>Health and Safety: Please read the relevant Health and Safety Data sheet available on our website or through Technical Services.</p>	2400
		3000
GTEC Duo Bead		
	<p>Galvanised steel angle bead with 3mm nose for drywall corner reinforcement.</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling, cutting and fitting.</p>	2400
		3000
GTEC Edging Bead		
	<p>Galvanised steel bead gives a neat edge to 12.5mm plasterboard. Perforated to provide a key for jointing compound.</p> <p>Health and Safety: Always wear protective gloves and eyewear when handling, cutting and fitting.</p>	3000

Adhesives

	Size	Coverage Guide	Application
GTEC Universal Bonding Compound			
	<p>Gypsum based compound for direct bonding plasterboard to walls or bonding GTEC Shallow Wall Channels to masonry and concrete block. Suitable for bonding GTEC Thermal Boards.</p> <p>Standards: BS EN 14496</p> <p>Composition: Calcium sulphate hemihydrate with polymer binders</p> <p>Reaction to fire: A2, s1, d0</p> <p>Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.</p>	<p>25kg bag</p> <p>8m² Internal walls</p>	<p>Hand only</p>
GTEC Wall Lining Adhesive			
	<p>Non-gypsum contact adhesive for bonding plasterboard to tiles or bonding to plasterboard in some flooring systems.</p> <p>Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services.</p>	<p>5ltr bucket</p> <p>50m²</p>	<p>Hand only</p>



Sealants

	Size (ltr)	Coverage (6mm Bead)	Colour	Maximum joint width (mm)
GTEC Intumescent Acoustic Sealant				
 <p>Gun applied water based sealant for internal use as an acoustic sealant, resilient adhesive, decorators caulk and as fire resisting intumescent mastic to seal air gaps at system perimeter.</p> <p>VITAL FOR SYSTEM LIFETIME WARRANTY</p> <p>Composition: GTEC Intumescent Acoustic Sealant is an acrylic emulsion containing inert fillers and fungicide. Designed to be used as an acoustic sealant, resilient adhesive, decorators caulk or to fill air gaps in dry lining, to seal gaps between floors and skirtings and around doors and window frames. In addition the product will intumesce when exposed to fire.</p>	0.9	29 linear metres	White	25
	0.38	12 linear metres	White	25
GTEC Fire Rated Silicone Sealant				
 <p>Gun applied neutral cure pink silicone sealant for external use with GTEC Weather Defence™ Boards to seal air gaps between boards and provide fire resistance. Supplied in handy foil pack to reduce waste.</p> <p>Composition: GTEC Fire Rated Silicone Sealant is a neutral cure, elastic silicone sealant and has a fire rating of up to 4 hours in a certain configurations. Designed to seal joints between adjoining Siniat Weather Defence external boards and around glazing and service penetrations.</p>	0.6	17 linear metres	Pink	25

Sealers

	Size (kg)	Coverage Guide	Application
GTEC Universal Sealer			
 <p>Universal Sealer Seals plasterboard prior to decoration improves coverage and whiteness.</p>	10	100m ² One coat	Hand only
<p>For use on plasterboard prior to paint and wallpaper application. Improved whiteness and covering power. Does not provide a vapour control layer.</p> <p>Composition: A blend of limestone and silica fillers dispersed with polymers</p> <p>Health and Safety: Please read the relevant Health and Safety Data sheet available on our website or through Technical Services.</p>			
GTEC Drywall Sealer			
 <p>Drywall Sealer Pre-decorative coat for plasterboard improves coverage and whiteness.</p>	10	100m ² One coat 70m ² Two coats	Hand only.
<p>Ivory, pre-decoration coat for plasterboard. Use with GTEC Aquaboard™ prior to applying a paint finish.</p> <p>Composition: Aqueous, modified adhesive based on polyvinyl acetate</p> <p>Health and Safety: Please read the relevant Health and Safety Datasheet available on our website or through Technical Services</p>			

Cove products

	Length (mm)
GTEC Cove 90	
 <p>GTEC Cove 90</p>	3000
<p>Gypsum plaster moulding in a traditional cove profile, provides an attractive feature at the junction of walls and ceilings.</p> <p>Standards: BS EN 14209</p> <p>Composition: Calcium sulphate di-hydrate enclosed inside a tough paper with bound edges.</p> <p>Reaction to fire: Euroclass A2-s1, d0</p> <p>Health and Safety: Please read the relevant Health and Safety Data sheet available on our website or through Technical Services.</p>	
GTEC Cove 120	
 <p>GTEC Cove 120</p>	3000 3600 4200
<p>Gypsum plaster moulding in a larger traditional cove profile, provides an attractive feature at the junction of walls and ceilings.</p> <p>Standards: BS EN 14209</p> <p>Composition: Calcium sulphate di-hydrate enclosed inside a tough paper with bound edges.</p> <p>Reaction to fire: Euroclass A2-s1, d0</p> <p>Health and Safety: Please read the relevant Health and Safety Data sheet available on our website or through Technical Services.</p>	



Cove products continued

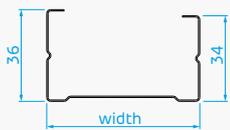
	Size (kg)	Coverage Guide	Application
Siniat Cove Adhesive			
	5	11 linear metres (approx)	Hand only
	12.5	33 linear metres (approx)	
<p>A gypsum based adhesive with a 40 minute working time for easy and fast fixing of cove.</p> <p>Composition: A blend of limestone and silica fillers dispersed with polymers.</p> <p>Reaction to fire: A1</p> <p>Health and Safety: Please read the relevant Health and Safety Data sheet available on our website or through Technical Services.</p>			

Socket pads

	Size (mm)	Thickness (mm)	Size	Code Ref.
GTEC Socket Pads				
	170 x 170	4	Single socket	PAD1
	230 x 170	4	Double socket	PAD2
<p>GTEC Socket Pads are used to protect the fire and acoustic integrity of partitions where electrical sockets are used.</p>				

annex c: profile guide

GTEC Stud and track profile



GTEC C Stud – RX and B gauge (CS)



GTEC C Stud – W gauge (CS)



GTEC C Stud – Y gauge (CS)

C Stud (CS)	Width (mm)					Gauge
	50	60	70	90	146	
-	-	-	-	-	146	RX
-	-	-	-	-	146	B
-	-	-	90	-	-	W
-	-	70	90	146	-	Y



GTEC U Track (UT)

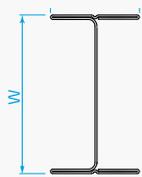


GTEC U Track Deep Flange (UDT)

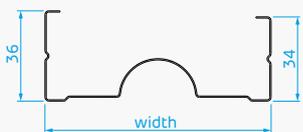


GTEC U Track Extra Deep Flange (UXT)

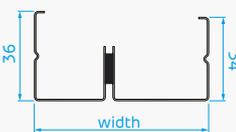
UT	Width (mm)					Gauge
	52	62	72	92	148	
UDT	52	62	72	92	148	RX
UXT	-	-	-	92	148	W
	-	-	72	-	-	B



GTEC I Stud (IS)



GTEC Acoustic Stud (AS)



GTEC Resilient Acoustic Stud (RAS)

IS	Width (mm)					Gauge	
	-	50	-	-	-		
-	-	60	70	90	-	B	
AS	-	-	-	70	90	146	RX
RAS	-	-	-	70	90	-	P

Gauge Thickness

RX	0.5mm
P	0.6mm
B	0.7mm
W	0.9mm
Y	1.2mm

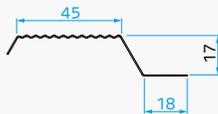
GTEC Accessories



GTEC Flat Strap (FS50/RX)



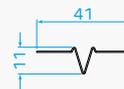
GTEC Flat Strap (FS90/W)



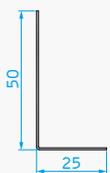
GTEC Resilient Bar (RBD3000/RX)



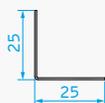
GTEC Acoustic V Brace (VBACE)



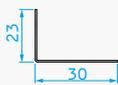
GTEC Movement Control Joint (MCJ304D)



GTEC Metal Angle (MFC2550)



GTEC Metal Angle (MFC2525)



GTEC Metal Angle (MFC2330)



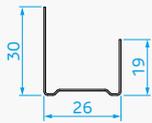
GTEC Fixing Channel (MFI/W)

All dimensions are in mm

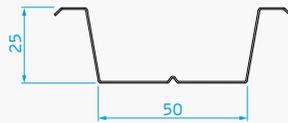
Gauge Thickness

RX	0.5mm
P	0.6mm
B	0.7mm
W	0.9mm
Y	1.2mm

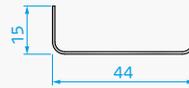
GTEC Suspended MF ceiling profiles



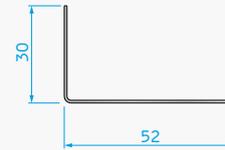
GTEC Edge Channel (MFCE26)



GTEC Ceiling Channel (MFC50)

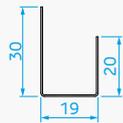


GTEC Primary Channel (MFCP44)

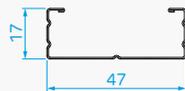


GTEC Heavy Gauge Primary Channel (UT52/Y)

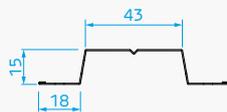
GTEC Drylining profiles



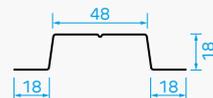
GTEC Dryliner Track (RD9)



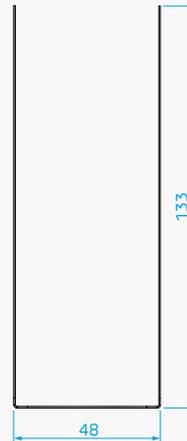
GTEC Dryliner Channel (RD1)



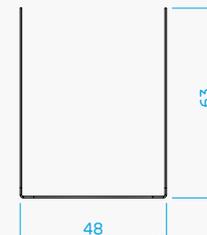
GTEC Shallow Wall Channel (MFCS/RX)



GTEC Pattress Bracket (MFPB/RX)



GTEC XR Bracket (RD11)

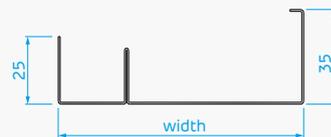


GTEC SR Bracket (RD2)

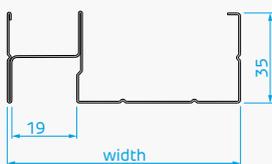
GTEC Fire protection profiles



GTEC J Track (JT)



GTEC E Stud (ES19)



GTEC CH Stud (CHS19)



GTEC CB Clip (CB)

	Width (mm)			Gauge
JT	62	92	148	B
ES19	60	90	146	B
CHS19	60	90	146	B

	Depth (mm)	
CB CLIP	17	27

Gauge Thickness

RX	0.5mm
P	0.6mm
B	0.7mm
W	0.9mm
Y	1.20mm

All dimensions are in mm

annex d: screw selection guide

Siniat Drywall Screws are a comprehensive range of mechanical fixings essential for use in GTEC systems. All screws have been rigorously tested for mechanical characteristics such as shear and pull-out, allowing the design of systems with superior levels of structural performance. Only the use of Siniat screws will enable maximum heights and loadings to be achieved safely. Siniat Drywall Screws are fully CE marked and compliant with BS EN 14566.

VITAL FOR SYSTEM LIFETIME WARRANTY

Purpose	Board Density	Substrate	Min. Length	Thread & Point	Product
Fixing boards to timber framing	Lower	Timber	Board(s) Thickness + 25mm	Coarse, self-tapping	GTEC High Thread Drywall Screw
Fixing boards to metal framing	12.5mm < 11kg/m ²	Thin gauge metal Rx (0.5mm) and B (0.7mm)	Board(s) Thickness + 10mm	Fine, self-tapping	GTEC Self-Tapping Drywall Screw
Fixing boards to metal framing	15mm < 13kg/m ²	Thick gauge metal W (0.9mm) and Y (1.2mm)	Board(s) Thickness + 10mm	Fine, self-drilling	GTEC Self-Drilling Drywall Screw
Fixing boards to timber framing	Higher	Timber	Board(s) Thickness + 25mm	Coarse, self-tapping	GTEC High Thread Drywall Screw
Fixing boards to metal framing	12.5mm > 11kg/m ²	Thin gauge metal Rx (0.5mm) and B (0.7mm)	Board(s) Thickness + 10mm	Fine, self-tapping	GTEC Performance Self-Tapping Drywall Screw
Fixing boards to metal framing	15mm > 13kg/m ²	Thick gauge metal W (0.9mm) and Y (1.2mm)	Board(s) Thickness + 10mm	Fine, self-drilling	GTEC Self-Drilling Drywall Screw
Fixing boards to timber framing in wet areas	All	Timber	Board(s) Thickness + 25mm	Coarse, self-tapping	GTEC Wet Area High Thread Drywall Screw
Fixing boards to metal framing in wet areas		Thin gauge metal Rx (0.5mm) and B (0.7mm)	Board(s) Thickness + 10mm	Fine, self-tapping	GTEC Wet Area Self-Tapping Drywall Screw
Fixing boards to metal framing in wet areas		Thick gauge metal W (0.9) and Y (1.2)	Board(s) Thickness + 10mm	Fine, self-drilling	GTEC Wet Area Self-Drilling Drywall Screw
Fixing metal to metal	n/a	All metal gauges	n/a	Fine, self-drilling	GTEC Wafer Head Drywall Screw

Screw selection

- ▶ Select screws based on application, substrate and board density outlined in table above.
- ▶ Higher density boards are those with a weight of 11kg/m² and above for 12.5mm boards and 13kg/m² and above for 15mm boards.
- ▶ For timber substrates minimum length of screws to be total board thickness plus 25mm penetration into the substrate.
- ▶ For metal substrates minimum length of screws to be total board thickness plus 10mm penetration into the substrate.
- ▶ When fixing to GTEC Resilient Bar screws must be fixed to bar only and not penetrate into metal or timber substrate below.

Screw positioning

- ▶ Screws to be located minimum of 10mm from bound edges.
- ▶ Screws to be located minimum of 13mm from cut edges.
- ▶ Screw location for timber studs to be minimum of 6mm from edge of stud.
- ▶ Screw location for metal frame to be minimum of 3mm from edge of profile.

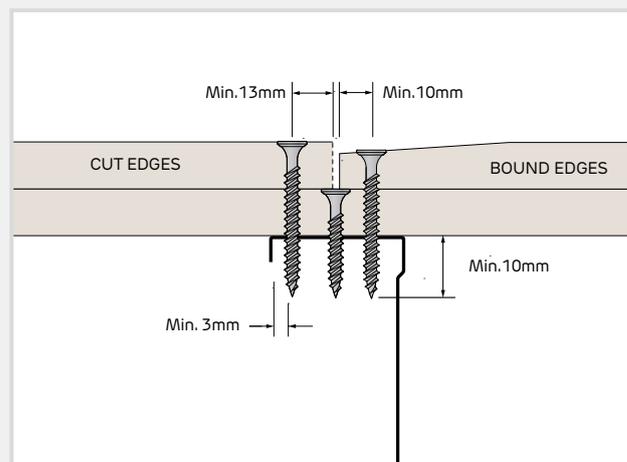
Maximum spacings

- ▶ GTEC Partitions – 300mm. See section [partitions systems](#) for more detailed guidance.
- ▶ GTEC Linings – 300mm. See section [lining systems](#) for more detailed guidance.
- ▶ GTEC Shaftwall Systems – 300mm. See section [shaftwall systems](#) for more detailed guidance.
- ▶ GTEC Ceilings – 150mm at perimeters and/or cut edges, and 230mm in field of board and/or bound edges. See section for more detailed guidance.

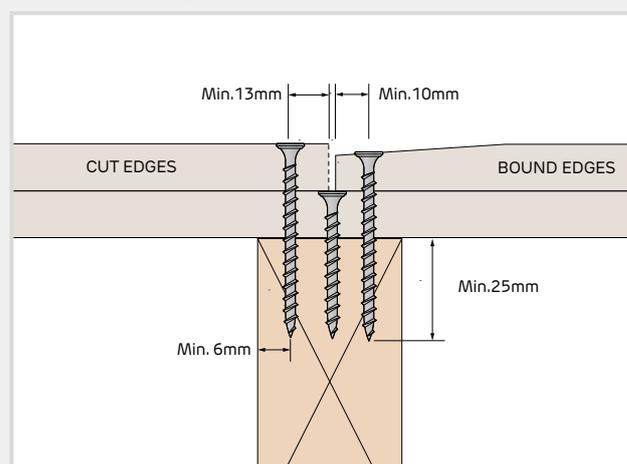
Finishing

- ▶ Screw heads to be driven into board until slightly recessed into board surface.
- ▶ Screws heads to be sealed with GTEC Drywall or Universal Sealer and spotted with Siniat Jointing Compound to create flush finish.

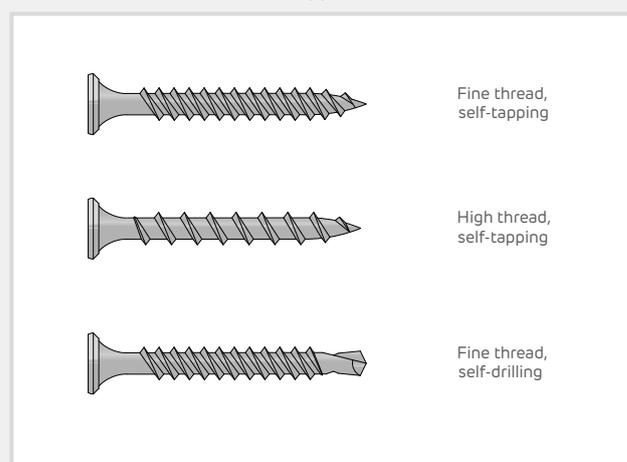
RF-SC-001-Fixing to metal framing



RF-SC-002 -Fixing to timber framing



RF-SC-003-Point and thread types



annex e: sustainability

Siniat and sustainability

- ✓ Plasterboard is fully recyclable
- ✓ Post-consumer recycled content over 20% without loss of quality or performance
- ✓ Ongoing reduction in embodied carbon content for lower impact designs
- ✓ BRE Green Guide A and A+ ratings and EPD's for Siniat systems and products qualify for sustainability code credits
- ✓ Unique product innovations minimise material quantities needed
- ✓ Certified and managed sustainability: ISO 9001, ISO 14001, ISO 45001 and BES6001 (Responsible Sourcing)
- ✓ Full plasterboard site waste collection and recycling from Wasteline Direct

Introduction

Sustainability has long been a core value at Siniat and is now top of the agenda for everyone in the construction supply chain. We remain committed to sustainable development and construction in both our business approach and in meeting the needs of the built environment. As a leading supplier of construction products, Siniat has a huge responsibility. Building materials meet basic human needs for the buildings that are part of everyday life. As economic growth and social development increase demand we have to balance the human benefits of our products with the availability of finite and non-renewable resources.

Therefore, at Siniat, we focus on environmental sustainability and leaving the lightest possible trace on the earth while enabling the social and economic sustainability of our operations.

Siniat firsts:

2004: The first plasterboard manufacturer in the UK to achieve ISO 9001 and ISO 14001 certification for all activities – these international standards provide the framework for our conservation of natural resources. They ensure continuous improvement in quality and service, as well as emission reductions and innovative solutions for ever more sustainable buildings.



BREEAM:

2011: The first plasterboard manufacturer in the UK to achieve BES6001 certification, the industry sustainability standard for the responsible sourcing of construction products. This independent assessment certifies environmental stewardship and social and economic sustainability within our operations and supply chain.



Our sustainability policy: A life cycle approach

To meet your client's sustainability targets, Siniat takes a life cycle approach to minimising the environmental impacts of manufacturing and supply operations. All our plant and supply chain activities translate into embodied impacts (such as carbon, water and recycled content) within your construction project. Therefore, we intervene at every life cycle stage to reduce these through material and energy resource minimisation, efficiency and recycling.

Our manufacturing plants work to ISO9001 and ISO14001; these international standards provide the framework for traceability and our conservation of natural resources. They ensure continuous improvement in quality and service, as well as emission reductions and innovative solutions for ever more sustainable buildings.

And it's not just about the environment...

As part of our product stewardship, we provide for the communities of people supplying our materials, manufacturing our products, living near to our plants or installing our products and systems on site. Our parent company, Etex Group, has joined the United Nations Global Compact. We adopt its principles within our Responsible Sourcing Policy and expect suppliers to do the same.

Action on climate

The need to tackle climate change has emerged as the most pressing environmental issue for the construction industry in view of the contribution of the built environment to greenhouse gas emissions. The thermal processes involved in manufacturing plasterboard are dependent on fossil fuels, resulting in products with embodied carbon levels of around 160 kgCO_{2e}/tonne at the factory gate. Siniat has long been active in driving down this figure through improving energy efficiency, investing in new technology and switching to 100% renewable electricity from 2020.

Having entered into a Climate Change Agreement at the turn of the millennium, Siniat has adopted science-based targets for carbon reduction since the introduction of the UK Climate Change Act in 2008. The target of 35% reduction per tonne of board produced (compared to 1990 baseline) was met in 2020 and the company is now working towards its next target on the pathway towards net zero carbon. Etex Group has announced a £140 million investment in a new state-of-the-art manufacturing facility at Bristol for a construction start in 2021. The associated process innovation will assure the next milestone on our journey towards zero carbon and further reduction in the carbon content of Siniat products.

Minimising waste

Whilst all drywall projects generate waste from off-cuts, steps can be taken to minimise this. Our project teams can help you reduce waste through selecting appropriate products and systems, and efficient design detailing. Where necessary, we can supply boards and metal studs in non-standard lengths to reduce wastage on site. Reducing damage to boards and pallets with good site storage and transport practices can also make a big contribution.

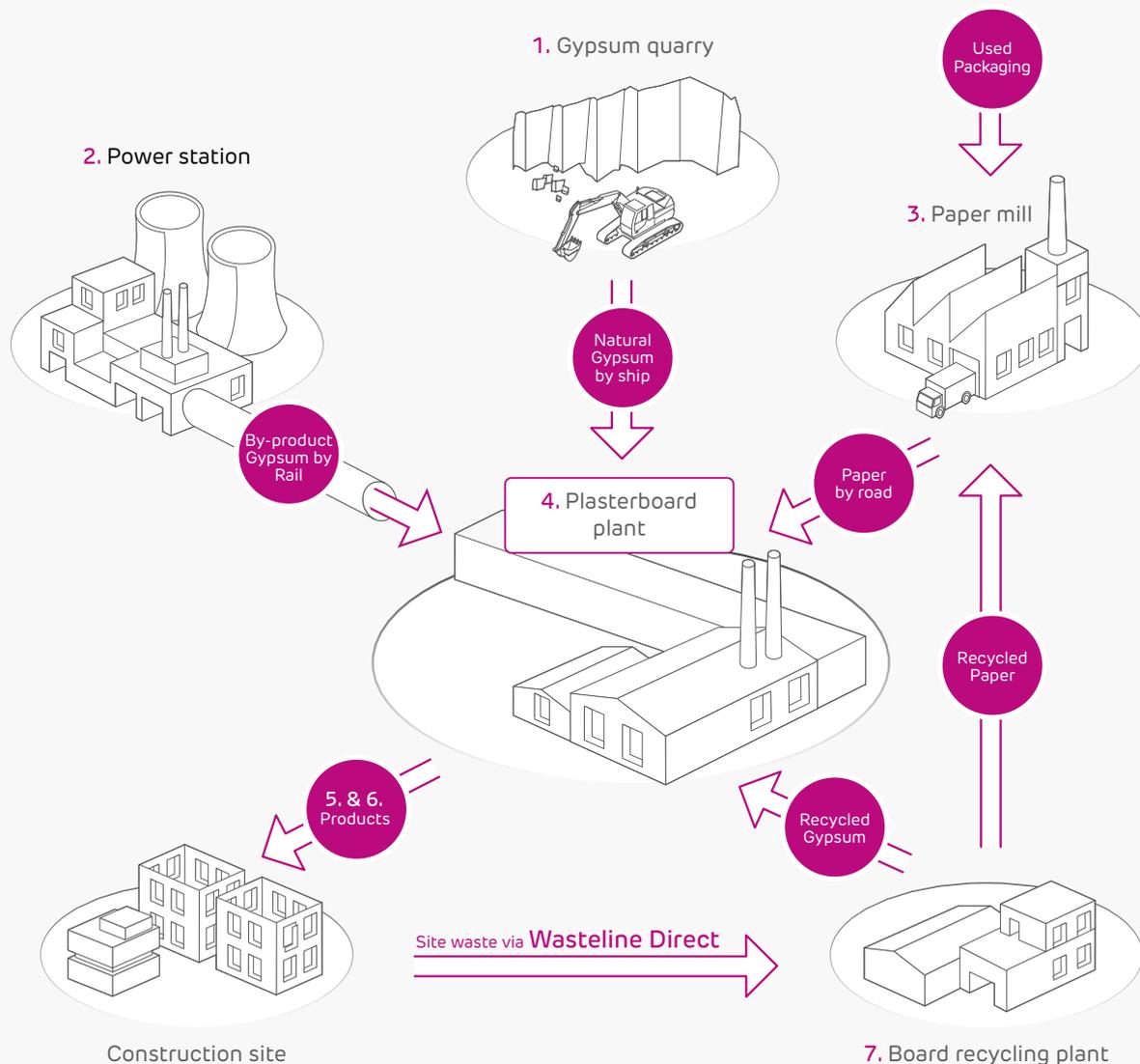
Gypsum waste recycling

An outstanding sustainability credential of plasterboard is that it can be recycled into new board products with no loss in quality or performance. Siniat has been recycling plasterboard process waste for many years, eliminating the landfilling of manufacturing waste in 2005. We are now one of the leading recyclers of plasterboard waste in the UK. The post-consumer recycled content in Siniat plasterboard is now typically around 20% and well ahead of the national average.

European and UK regulations require all gypsum waste to be segregated at source and our Wasteline Direct service provides for landfill avoidance and closed-loop recycling. Available to merchants, distributors and contractors, our Wasteline Direct service can take care of all your plasterboard waste management needs. In 2018 Crucible Gypsum Recycling Ltd was established by Etex to manage this service, supporting plasterboard recovery from UK construction sites and providing high quality gypsum for manufacturing:

- ▶ Cost-competitive collections via bins, skips and bags on a national basis.
- ▶ Monthly reporting of waste quantities recovered
- ▶ Environment Agency Permitted and Duty of Care compliant
- ▶ Closed loop recycling
- ▶ Service cost quotations available from [siniat.co.uk](https://www.siniat.co.uk)
- ▶ For further information, telephone 01275 377 579 or email: wasteline@etexbp.co.uk

Managing the product lifecycle



1. All our supply quarries have a biodiversity rehabilitation plan with state-of-the-art replanting. Delivery by bulk shipping is 20 times more carbon efficient than road transport.
2. Flue Gas Desulphurisation (FGD) systems used in power stations eliminate sulphur dioxide emissions and produce high purity gypsum as a by-product. All our FGD gypsum supplies are delivered by carbon efficient rail transport.
3. The plasterboard liners we use comprise 100% recycled paper, principally from post-consumer packaging.
4. Our manufacturing process has very few emissions as all process water and waste is recycled internally. Zero waste goes to landfill. Investments in energy efficiency and upgrading equipment have reduced carbon emissions per tonne by over 35% since 1990.
5. Packaging is the second largest source of waste in construction. Against a national target of 20% Siniat reduced packaging by over 50% following investments of over £1 million. Bearers and timber used for packaging are from certified and sustainable sources.
6. The use of 'teardrop' trailers and other fuel saving measures limit the impacts of product delivery. The carbon footprint of our distribution activities has been reduced by 10%.
7. Almost all Siniat plasterboards are fully recyclable into new products. The gypsum and paper are separated, with both suitable for closed-loop recycling. Our Wasteline Direct service offers a plasterboard recovery and recycling service. The post-consumer recycled content of Siniat plasterboard now exceeds 20% with no loss in performance.

sustainable construction

Products and systems for sustainable buildings

As well as meeting regulation standards, our high-performance products and systems enhance the sustainability of your building projects in many ways:

- ▶ Thermal boards contribute to the conservation of energy and CO₂ emissions
- ▶ Fire boards contribute to safety as well as building durability
- ▶ Acoustic boards provide sound insulation and enhance the conditions required in our buildings and homes
- ▶ Impact boards meet the severe duty ratings required in public areas, reducing maintenance and promoting durability.

The environmental impacts embodied in construction products are increasingly under focus as the operational footprint of buildings is progressively reduced. With a circular economy approach, Siniat has worked to reduce materials extraction and embodied carbon. Siniat boards contain industry-leading levels of post-consumer recycled gypsum and carbon levels are being reduced in line with a science-based pathway towards net zero.

Through constant innovation, the Siniat product range includes unique, specialist boards with enhanced features and performance to minimise materials used on site.

- ▶ **Megadeco:** This patented product is unique. Its pre-sealed surface speeds up installation by eliminating sealing on site.
- ▶ **LaDura:** Offers similar resource efficiency plus metal stud savings, due to its high strength. Excellent durability will reduce the need for maintenance.
- ▶ **Weather Defence™:** This unique board for external applications offers major carbon reductions compared to the cementitious boards traditionally used. Excellent stability provides superior airtightness of the building envelope. Weather Defence offers improved recyclability and eliminates dust exposure for installers.

Responsible sourcing and BES6001

Siniat was the first manufacturer in the UK to offer plasterboard products certified to the BRE Environmental and Sustainability Framework Standard for the Responsible Sourcing of Construction Products, BES6001. Our rating has been progressively improved to the 3-Star 'Very Good' grading. This independent assessment certifies environmental stewardship and social and economic sustainability within our operations and supply chain.

The certificate may be downloaded from BRE's Green Book Live website by searching under 'Etex' at greenbooklive.com. When using Siniat products on your projects, this enables the award of credits within the Materials section in BREEAM..

BRE Green Guide

Due to the low environmental impact of plasterboard products, the BRE Green Guide rating for most of the Siniat systems listed in the manual is A or A+. Embodied carbon figures for building elements are also listed. Our projects team will seek to provide the highest possible rating in line with your project's specific performance requirements.

Reference to the BRE Green Guide is gradually being phased out with successive BREEAM schemes in favour of building life cycle assessment supported by product EPD's (Environmental Product Declarations). EPD's for Siniat boards can be obtained on request from Technical Services or downloaded from the Siniat or BRE Green Book Live websites.

Building Research Establishment Environmental Assessment Method (BREEAM)

BREEAM is the most widely used environmental assessment method for buildings in the UK. It provides a consistent and robust means of rating building sustainability. Siniat products can make a significant contribution to higher ratings. BREEAM involves nine key areas of project design.

Credits are awarded in each of the design areas and the overall score is calculated from a weighted scorecard of the section credits.

The final score is then rated as Pass, Good, Very Good, Excellent or Outstanding. Education and Healthcare buildings usually have to meet certain minimum ratings, and other ratings criteria may apply to building projects as a condition of planning approval.

Siniat systems and BREEAM:

- ▶ In the Materials Section, EPD's (Environmental Product Declarations) are available for Siniat boards and the excellent BRE Green Guide ratings of Siniat Systems and our BES6001 certification for Responsible Sourcing also access credits.
- ▶ Siniat systems achieve the high sound insulation values necessary to gain health section credits for exceeding Building Regulation requirements.
- ▶ Our plasterboard waste recovery service, Wasteline Direct, can support your site waste management needs and the award of credits linked to diverting waste from landfill.
- ▶ Durable design credits are available where Severe Duty partitions are used in corridors and public areas.
- ▶ The zero release of VOC's (volatile organic compounds) from Siniat boards contributes to Indoor Air Quality. Specification of Megadeco can also minimise the release of VOC's during the build. As mineral-based products, Siniat boards are regarded for BREEAM purposes as "inherently non-VOC emitting" and not requiring emissions testing.
- ▶ The range of high performance Siniat Thermal Boards provide for space-efficient insulation. The Global Warming Potential (GWP) of all these insulated boards is below 5, accessing credits for projects registered with older BREEAM schemes.
- ▶ Siniat supports contractors during construction in areas relevant to Project Management credits, e.g. by optimising design of the drywall package for performance alongside economic, environmental and social considerations. Drawing on their vast experience with all building types, our projects team will support achievement of the best possible BREEAM score.

annex f: health and safety

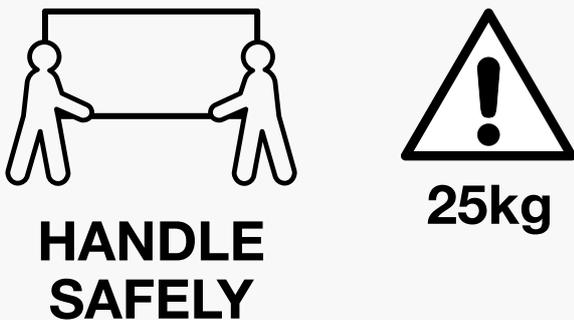
Siniat has a deep commitment to zero harm in our industrial activity. As part of our ISO45001 certified management system we follow an active policy for continuous improvement in reducing incidents and protecting our employees' health. In our supply chain we require similar exacting standards from our suppliers.

To protect the health of construction workers and building occupants, we minimise the use of any hazardous materials and will avoid using substances of high concern. Our development programme brings innovative products to market which reduce health and safety risks on site and throughout the life of the building.

Manual handling

In collaboration with the Health & Safety Executive, Siniat has introduced weight labelling on all UK-produced board products. This information helps users to reduce injuries through risk assessment.

Example of product marking:



Siniat has collaborated with other sector and supply chain partners on measures to improve the occupational health of installers. These include best practice guides on jobsite organisation and mechanical handling aids for plasterboard lifting and positioning. These publications can be found on the GPDA and FIS websites or obtained via our Technical Services.

Chemical substances and product safety

Siniat ensures that all materials in its supply chain are registered under EU and UK REACH* where necessary. In relation to calcium sulphate, the main raw material used in our products, we hold a registration under EU REACH via an EU-based representative and will register the substance under the new UK REACH regulations in accordance with the phase-in timetable.

Siniat board products do not contain or emit volatile organic compounds (VOCs) and our pre-finished Megadeco Board removes the need for on-site sealing, further enhancing the indoor air quality of your projects. The sealing products in the Siniat product range have an aqueous base and contain VOCs at a low classification level.

All Siniat products are classified as non-hazardous according to the CLP Regulations applying in the EU and the UK and are stable and non-reactive with other building materials. The sawing of plasterboard and the sanding of finishing compounds may generate dust. Whilst there are no known toxicological effects for gypsum products, Occupational Exposure Limits (OEL) exist for mineral dusts and the use of personal protective equipment is recommended. Safety Data Sheets are available for all Siniat products covering handling, storage, use and disposal. Latest versions may be downloaded from our website or obtained on request from our Technical Services.

*EU REACH applies in the Irish Republic and Northern Ireland (European Regulation 2006/1907/EC) whereas UK REACH applies in Great Britain with effect from January 2021.

annex g: standards

Product standards and tests

BS EN 520

Gypsum plasterboards. Definitions, Requirements and Test Methods.

BS EN 14190

Gypsum plasterboard products from reprocessing. Definitions, Requirements and Test Methods.

BS EN 13950

Gypsum plasterboard thermal/acoustic insulation composite panels. Definitions, Requirements and Test Methods.

BS EN 15283

Gypsum boards with fibrous reinforcement – Definitions, Requirements and Test Methods.
– Part 1: Gypsum board with mat reinforcement.

BS EN 14195

Metal framing components for gypsum plasterboard systems. Definitions, Requirements and Test Methods.

BS EN 14566

Mechanical fasteners for gypsum plasterboard systems. Definitions, Requirements and Test Methods.

BS EN 14353

Metal beads and feature profiles for use with gypsum plasterboards. Definitions, Requirements and Test Methods.

BS EN 14209

Preformed plasterboard cornices. Definitions, Requirements and Test Methods.

BS EN 13963

Jointing materials for gypsum plasterboards. Definitions, Requirements and Test Methods.

BS EN 14496

Gypsum based adhesives for thermal/acoustic insulation composite panels and plasterboards. Definitions, Requirements and Test Methods.

BS EN 13964

Suspended Ceilings – Requirements and Test Methods.

Systems / Design / Codes of practice

BS 8212

Code of practice for dry lining and – Partitioning using gypsum plasterboard.

BS 8000

Workmanship on building sites
– Part 8: Code of practice for plasterboard – Partitions and dry linings.

BS EN 13914

Design, preparation and application of external rendering and internal plastering.

BS 5234

Specification for performance requirements for strength and robustness.
– Part 1: Partitions (including matching linings) – Code of practice for design and installation.

BS 5250

Code of Practice for the control of condensation in buildings.

BS 5385

Wall and floor tiling – Code of practice.
• Part 1: Design and installation of ceramic, natural stone and mosaic wall tiling in normal conditions.
• Part 4: Design and installation of ceramic and mosaic tiling in special conditions.

BS EN ISO 6946

Building components and building elements. Thermal resistance and thermal transmittance. Calculation method.

BS 9999: 2008

Code of Practice for fire safety in the design, management and use of buildings



Test methods

BS EN 13238

Reaction to fire tests for building products. Conditioning procedures and general rules for selection of substrates.

BS 476

Fire tests on building materials and structures. Guide to the principles, selection, role and application of fire testing and their outputs.

- Part 4: Non-combustibility test for materials
- Part 6: Method of test for fire propagation for products
- Part 7: Method for classification of the surface spread of flame of products
- Part 20: Methods for determination of the fire resistance of elements of construction (general principles)
- Part 21: Method for determination of the fire resistance of load bearing elements of construction
- Part 22: Methods for determination of the fire resistance of non-load bearing elements of construction
- Part 23: Methods for the determination of the contribution of components to the fire resistance of a structure.

BS EN 1363

Fire resistance tests. General requirements.

- Part 1: General requirements.

BS EN 1364

Fire Resistance tests for non-load bearing elements.

- Part 1: Walls
- Part 2: Ceilings

BS EN 1365

Fire Resistance tests for load bearing elements.

- Part 1: Walls
- Part 2: Floors and Roofs
- Part 3: Beams
- Part 4: Columns

ENV 13381

Test methods for determining the contribution to the fire resistance of structural members.

- Part 4: Test methods for determining the contribution to the fire resistance of structural members.

BS EN ISO 10140

Acoustics. Laboratory measurement of sound insulation of building elements.

BS EN ISO 140

Acoustics. Measurement of sound insulation in buildings and of building elements.

BS 5234

Specification for performance requirements for strength and robustness.

- Part 2: Partitions (including matching linings) – Specification for performance requirements for strength and robustness including methods of test.

BS EN ISO 717

Acoustics. Rating of sound insulation in buildings and of building elements.

- Part 1: Airborne sound insulation
- Part 2: Impact sound insulation.

BS EN ISO 11654

Acoustics. Sound absorbers for use in buildings. Rating of sound absorption.

BS EN 13823

Reaction to fire tests for building products. Building products excluding floorings exposed to the thermal attack by a single burning item.

BS EN ISO 1182

Reaction to fire tests for building products. Non-combustibility test.

BS EN ISO 1716

Reaction to fire tests for products. Determination of the gross heat of combustion (calorific value).

BS EN ISO 11925

Reaction to fire tests. Ignitability of products subjected to direct impingement of flame.

- Part 2: Single-flame source test

Miscellaneous

BS EN 13279

Gypsum binders, and gypsum plasters.

- Part 1: Definitions and requirements
- Part 2: Test methods.

BS EN 10346

Continuously hot-dip coated steel flat products. Technical delivery conditions.

BS 12524

Building materials and products. Hygrothermal properties. Tabulated design values.

BS EN 1313

Round and sawn timber. Permitted deviations and preferred sizes.

- Part 1: Softwood sawn timber.

BS EN 13163

Thermal insulation products for buildings. Factory made products of expanded polystyrene (EPS). Specification.

BS EN 13164

Thermal insulation products for buildings. Factory made products of extruded polystyrene foam (XPS). Specification.

BS EN 13165

Thermal insulation products for buildings. Factory made rigid polyurethane foam (PUR) products. Specification.

BS EN ISO 12572

Hygrothermal performance of building materials and products. Determination of water vapour transmission properties.

NOTE: Standards are listed without publishing year to allow for updates, where applicable the latest dated versions should be used.

Technical services

Technical advice and project enquiries.

☎ 0800 145 6033 or 01275 377 789

@ technical.siniat@etexbp.co.uk

GB orderline

For placing orders, delivery enquiries and local stockists etc.

☎ 0800 373 636

@ orderline@etexbp.co.uk

Ireland orderline

For placing orders, delivery enquiries and local stockists etc.

☎ +353 (0)162 03114

@ irelandorders@etexbp.com

Literatureline

For Siniat literature.

@ literatureline@etexbp.co.uk

Wasteline direct

Plasterboard waste management enquiries.

☎ 01275 377 579

@ wasteline@etexbp.co.uk

Etex Building Performance Limited

Marsh Lane, Easton-in-Gordano,
Bristol, BS20 0NE

☎ +44 (0)1275 377 773

@ siniat.co.uk



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