

## TECHNICAL DATASHEET

# GTEC Resilient Acoustic Stud (RAS70/P & RAS90/P)

### Description

A composite stud that comprises of two metal sections with a resilient acoustic insert.

### Appearance

E shaped profile stud made of two galvanised C metal sections bonded together and a resilient tape in between.

### Dimensions

Metal gauge thickness	0.6 mm
Overall web width (A)	70 or 90 mm
Flange 1 width (B)	Nom. 36 mm
Flange 2 width (C)	Nom. 34 mm
Acoustic tape	12 x 3 mm

See Figure 1 for RAS profile drawing.  
(Patented Design)

### Compliance Authority

Material in accordance to EN 10346 and tolerances in accordance with EN 14195.

CE marking not required as no harmonised standard available

### Physical Properties

#### Tensile strength:

Stud (acc. EN 10346)	300 MPa
Tape	1.33 N/mm

#### Reaction to fire:

Stud - Euroclass A1 to EN 13501-1
Acoustic tape - Euroclass F to EN 13501-1

#### Material:

Metal Profile - Hot dip coated, cold-rolled steel stud S220D+Z140  
Acoustic tape – Polyethylene foam

### Handling and fixing

Sections are supplied in bundles with small packs strapped together to form larger packs suitable for forklift truck offloading. Packs should be stacked in a safe and stable manner. Pack strapping should not be used for lifting. Coils and metal sections may spring apart when strapping is released.

When manually handling steel sections or component packs, use suitable manual handling techniques to limit risk, according to the Manual Handling Operations Regulations 1992. Mechanical

handling aids may be used to reduce the risk of injury. Eye protection should be worn when using hand tools. Weather exposure on site should not exceed three months.

Can be cut using tin snips or power tools

Use Siniat GTEC Self-Tapping crews not more than 45mm in length

### Fire safety

This partition will not collapse if the acoustic tape in the middle burns out

### Health & Safety

Please read the metals Health and Safety Datasheet available on our website.

### Stud Weight:

Nom. 0.91 kg/linear metre

### Application

To achieve site separating wall with acoustic performance greater than 43  $D_{nT,w} + C_{tr}$  dB (RAS70/P) with appropriate boards, and 45  $D_{nT,w} + C_{tr}$  dB (RAS90/P) with appropriate boards.

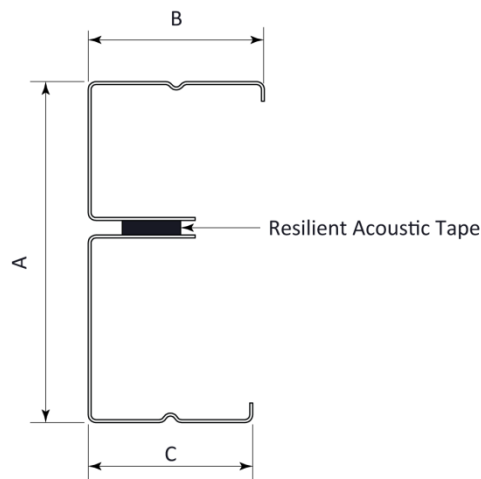


Figure 1 RAS Stud Profile

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

### ETEX BUILDING PERFORMANCE LIMITED

Gordano House, Marsh Lane, Easton-in-Gordano, Bristol, BS20 0NE  
Technical Services | T: +44 (0)800 145 6033 or +44 (0)1275 377 789  
E: technical.siniat@etexbp.co.uk  
www.siniat.co.uk