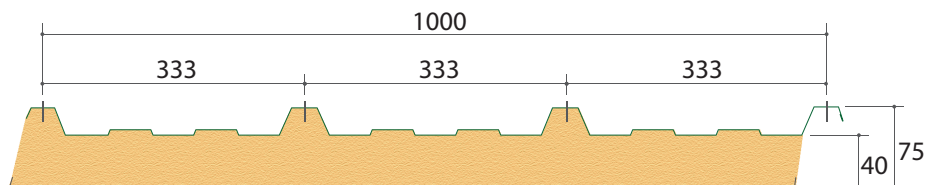




PROTHERM-40

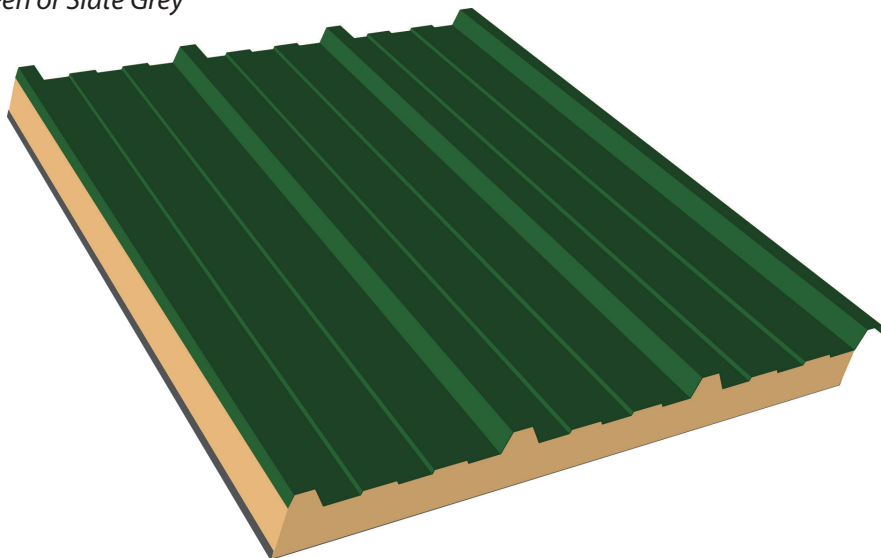
Box profile Insulated Steel Sheet with Aluminium Foil Backing
Available in Standard Lengths ex Stock
in Polyester Juniper Green or Slate Grey

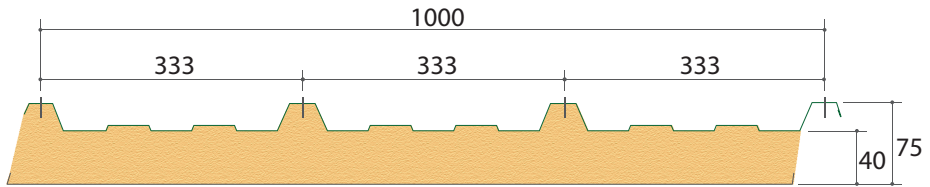


ProTherm-40 is a trapezoidal foil faced insulated steel sheet for agricultural and low cost roof and wall applications.

The Foil faced insulated sheet is a through fixed roof and wall sheet, which can be used for all building applications, where the roof slope is 8° or more and vertical only on a wall.

Available in standard lengths between 4.5 and 7.5m ex stock in Polyester Juniper Green or Slate Grey





DIMENSIONS & WEIGHT

Core Depth (mm) 40

Overall Thickness (mm) 75

Weight kg/m² nominal 0.5/foil steel 6.7

PANEL END CUT BACK

All panels are produced with a standard cut back, opposite end flush cut.

PRODUCT TOLERANCES

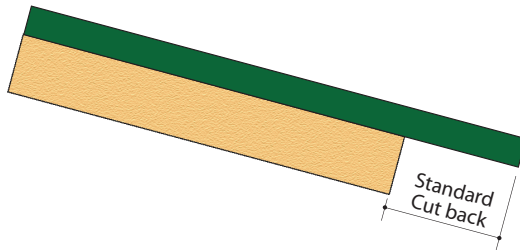
Cut to Length -0.1% +0.1%

Liner Sheet Length -0.1% +0.1%

Cover Width -2mm +3mm

Thickness -2mm +2mm

End Square -3mm +3mm



ENVIRONMENTAL

Foil faced insulated sheet has a Green Guide A + rating as per the BRE Global "The Green Guide To Specification", Green Guide 2008 ratings.

PERFORMANCE

Thermal Insulation

Core Thickness (mm) 40

U value (W/m²K) 0.46

QUALITY & DURABILITY

Foil faced insulated sheets are manufactured from the highest quality materials, using state of the art production equipment to rigorous quality control standards, complying with ISO9001 standard, ensuring long term reliability and service life. The sheets has also been manufactured under Environmental Management System Certification ISO 14001:2004.

Biological

Foil faced insulated sheets are normally immune to attack from mould, fungi, mildew and vermin. No urea formaldehyde is used in the construction, and the sheets are not considered deleterious.

MATERIALS:

Steel Substrate

Arcelor Granite Standard S220GD+ZA hot-dip zinc/aluminium Galfan coated steel to BS EN10214: 1992.

Standard external sheet thickness nominal 0.5mm, standard internal foil thickness 50micron.

Foil Liner: Material aluminium foil with protective lacquer, alloy EN AW 1200 / Al 99,0 to DINEN 573-3, Standard internal foil thickness 50micron.

Coatings - External Weather Sheet

Arcelor Granite Standard High performance coating applied to the weather side of the panel. Designed to

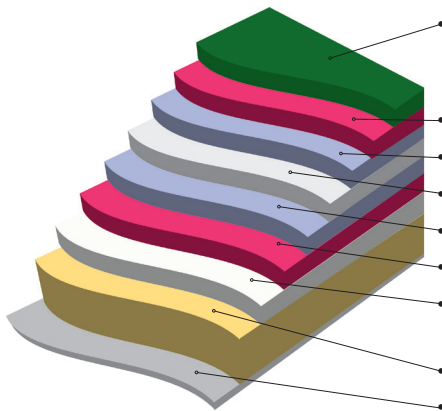
achieve high levels of durability and colour stability, is highly resistant to damage in transit and on-site. Colours available Juniper Green & Slate Grey. Reverse side of sheet coated with a light grey polyester coating.

Coating - Internal Liner Foil

Exposed internal face of foil coated with a protective lacquer – $8.0 \pm 1.7 \text{ g/m}^2$, colour – white. Reverse side of foil coated with an adhesive lacquer – $1.7 \pm 0.6 \text{ g/m}^2$, colour - golden

INSULATION CORE

Polyisocyanurate (PIR): EcoSafe PIR formulation. Receiving BREEAM Credit (Pollution 4: Insulant GWP) 2006 credit.



High Performance coating applied to the weather side of the steel sheet (Juniper Green or Slate Grey)

Primer

Galv

Steel substrate

Galv

Primer

Light Grey polyester coating on reverse side of steel sheet

40mm Polyisocyanurate (PIR) insulation core

50micron Internal Liner Aluminium Foil

PACKING

Standard Packing Foil faced insulated sheets are stacked weather sheet to weather sheet (to minimise pack height). The top, bottom, sides and ends are protected with foam and timber packing and the entire pack is wrapped in plastic.

DELIVERY

All deliveries (unless indicated otherwise) are by road transport to project site. Off loading is the responsibility of the client.



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PROTHERM-40

PROCLAD

PROUNDER

PROCOLOR

PRODECK

PROPURLIN

PROLIGHT

PROFARM

PROAIR

CORRI FARM

CORRI GALV

AGRI PURLIN

AGRI LIGHT



PRO SIGMA+

COLD-ROLLED STEEL

PURLIN & RAIL
SYSTEM