GUSCLAD
STEEL SHEET PROFILERS
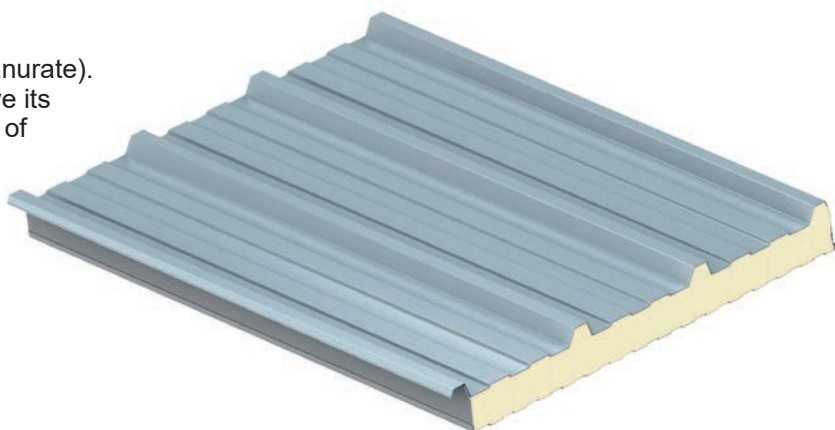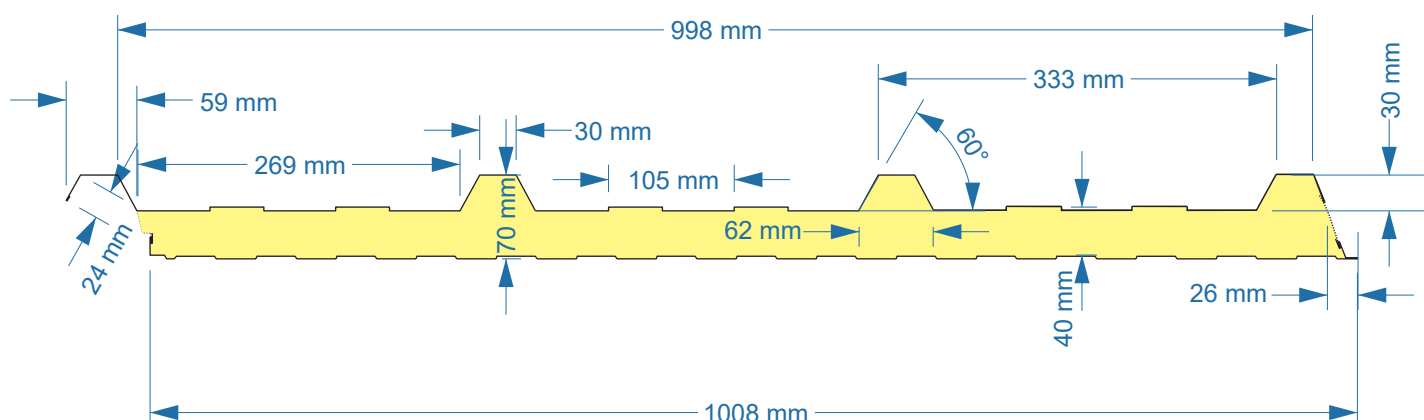
APPLICATIONS

The GC1000-40 panel is an energy efficient and easy to install insulated panel with a trapazoidal profiled steel top sheet. The suface finish is a PVS (Plastisol) coating and comes in a variety of colours to suit your project.

The rigid foam core is made from PIR (Polyisocyanurate). With our insulated panel, your building can achieve its energyperformance levels, providing an envelope of protection around your building.

CROSS SECTION

Tolerance on all dimensions as per BS EN 508 – 2 : 2000

PROPERTIES

Finished panel

Cover width	1,000mm
Profile pitch	333mm
Profile Depth	70mm
Crown Width	30mm
Valley width	269mm
Rib width	62mm
Web	39mm
Overlap (left as shown above)	59mm
Underlap (right as shown above)	26mm (min)
Mass per linear metre	9.96Kgs
Top sheet	0.5mm
Liner sheet	0.38mm

Panel fire classifications

Fire resistance	Tested to EN ISO 11925-2:2010, EN ISO 13823: 2010+A1: 2014 Classified as : B-S2, D0 to EN 13501-1: 2018
Reaction to fire	Tested to EN ISO 1364-2:2015, Classified as : EI 16

Plastisol profile properties

Film Thickness Ave.	200µm EN 13523-1
Gloss (60°)	10~35% EN 13523-2
Emboss	Leathergrain
Film Thickness Ave.	200µm EN 13523-1
Abrasion resistance	(CS-10, 1kg, 250rev) 10~15mg EN 13523-16
Scratch resistance	> 5000g EN 13523-12
Flexibility T-Bend	(0T, 16°C) EN 13523-7
Reverse impact	18J EN 13523-5
Salt Spray Resistance	1000 hours EN 13523-8
Humidity Resistance	1500 hours EN 13523-26
Internal Environment Classification	CPI5 EN 10169
Corrosion resistance Category	RC5 EN 10169
UV resistance category	Ruv3 EN 10169
Guarantee	Up to 30 years

MATERI ALS

Core material
The GC1000-40 panel is manufactured using a high quality PIR (Polyisocyanurate) core with an average density of 41 Kg/m^3.

External sheet
The external sheet consists of PVS (Plastisol) coated steel. Coating Thickness (Front): Primer 7 µm + PVS Top 193 µm. The Base Metal is hot-Dipped 55% Aluminium-Zinc Alloy Steel (AZ150) or hot-dip Galvanized Steel (Z275).

Internal sheet
The internal (liner) sheet is a standard 0.38mm galvinized sheet profiled sheet with a white finish (RAL 9002).
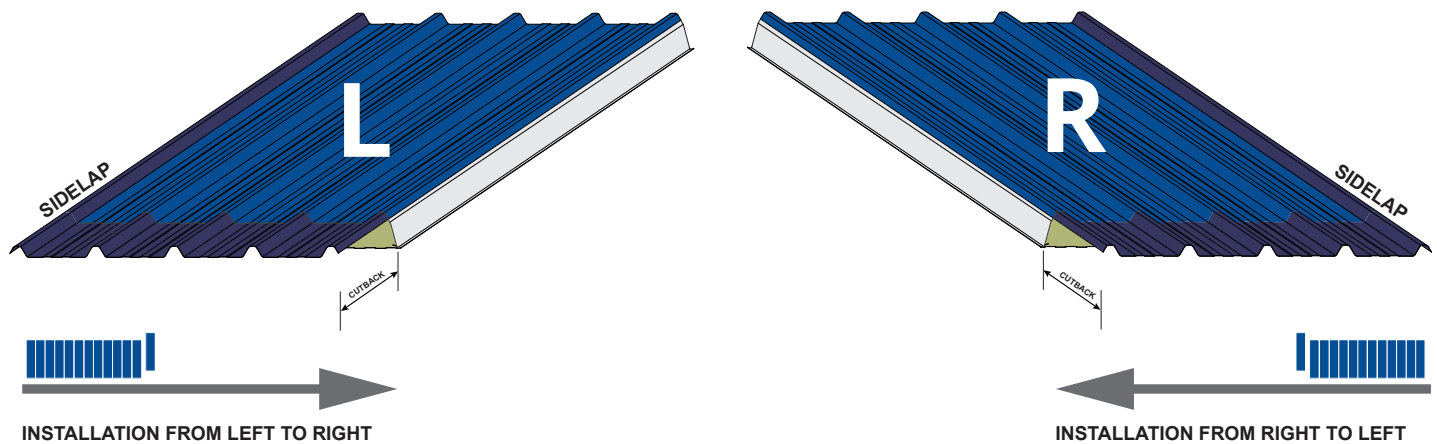
MEASUREMENTS

The Insulated Panel sheets are 1m wide/cover and are cut to length. 1.828m(6ft) is the smallest sheet we can manufacture. To manufacture the panel, we must have a cut back on one end of the sheet. A 25mm up to 400mm cut back can be used. An average cutback on roof sheeting would be 50mm. For side sheeting it would be 25mm cutback (the min amount we can supply). We can also supply an Insulated Clearlight, however we would need to know the purlin centers. The supports in the clearlights will be in the same position.

PACKAGING , TRANSPORT & HANDLING

The number of panels in each pack vary with the panel length to ensure Stability. When off loading, Gusclad recommends two methods off loading,

1. Forklift: Care must be taken not to damage the bottom panel when driving on uneven ground. Ensure only one pack is unloaded at a time.

2. Crane: Where using web slings caution should be taken to prevent edge damage and to avoid cross pressure across the panels. It is recommended on panel lengths over 6mt long a spreader beam should be used.

Gusclad Gc1000 40 panels can be installed from left to right or from right to left.

L — SIDELAP — CUTBACK

INSTALLATION FROM LEFT TO RIGHT

R — SIDELAP — CUTBACK

INSTALLATION FROM RIGHT TO LEFT

AVAILABLE COLORS

Black 00E53	Vandyke Brown 08B29	White 00E55
Terracotta 04C39	Juniper Green 12B29	Olive Green 12B27
Goosewing Grey 10A05	Merlin Grey 18B25	Anthracite Grey RAL 7016
Slate Grey 18B29	Mushroom 10B19	

OMNI CERTIFIED
ISO 9001:2015
OMNI-00242-QMS

OMNI CERTIFIED
EN 1090-1:2009+A1:2011
OMNI-00242-FPC
NB 2819

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