

Corolite[®] Diamond

Diamond Embossed Corrugated Polycarbonate

**Exceptionally tough
diamond embossed
polycarbonate**

**10 YEAR
GUARANTEE**

- Superior impact resistance
- Exceptional hail resistance
- Longlife UV protection for weather resistance
- High levels of light transmission
- 100% recyclable

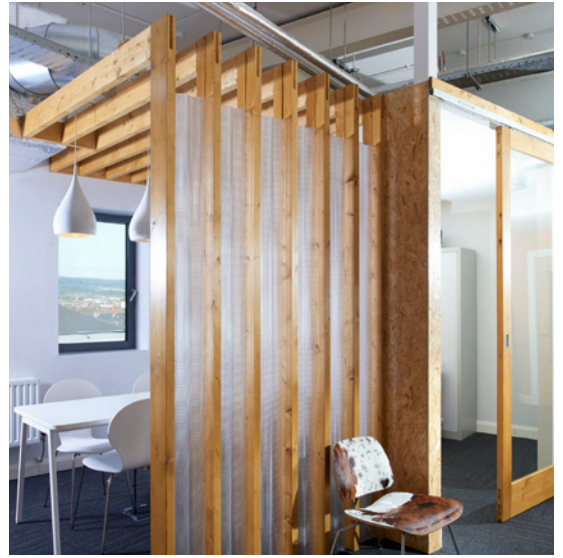
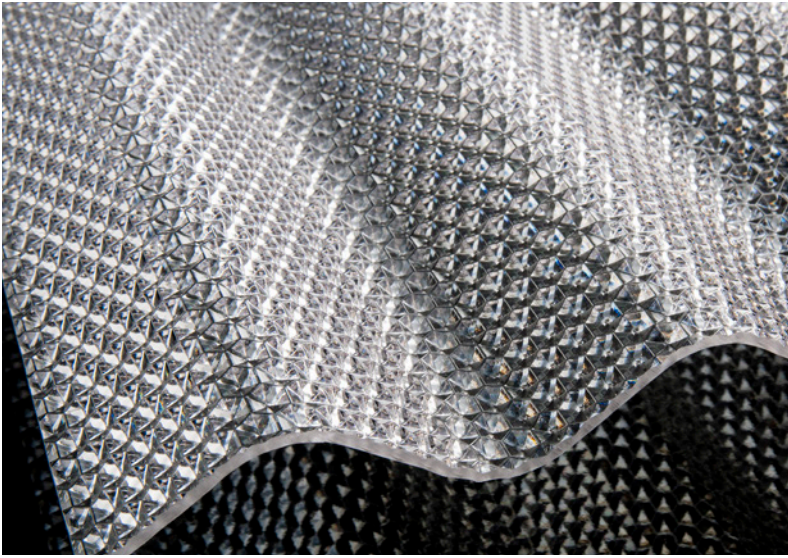

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Corolite Diamond

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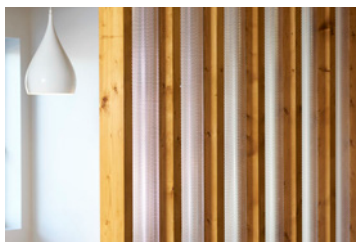
Corolite Diamond is a super tough, super strong and super resilient corrugated polycarbonate sheet.



At 2.6mm and 2.8mm in thickness the sheets are stronger and more rigid, providing superior spanning and load bearing capabilities. Naturally clear, these sheets provide exceptional glass like light transmission.

They can also withstand extremes of temperature more readily than other materials and with UV protection they are also more resistant to the long-term effects of weathering.

The hexagonal embossed pattern gives Corolite Diamond a distinctive appearance and make it possible to achieve attractive design and lighting effects.



Applications

- Rooflights
- Facades & Screens
- Carports
- Patio Covers
- Porches & Verandas
- Windbreaks
- Canopies & Walkways
- Decorative Display

Key Benefits

- Superior impact resistance
- Exceptional hail resistance
- Hardwearing and resilient
- Light in weight
- High levels of light transmission
- Excellent fire performance
- Longlife UV weather protection
- Distinctive diamond cut surface
- 100% recyclable
- 10 year warranty

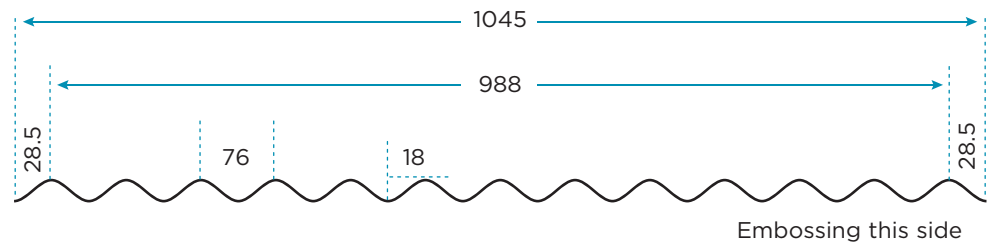
Properties

Thickness	2.8mm
Cover Width	988mm
U-value	0.2 W/m ² K
UV protection	Double sided

Light Transmission

Colour	Light	Test Method
Clear	70%	DIN5036

Standard Profile (P1944)



Spanning

Purlin Centres (mm)	Load (N/m ²)
750	900
1000	760
1500	610

Fire Performance

Test Method	Classification
EN13501-1	B-S1 D0

Classification is subject to sheet profile and thickness. For further details please contact our technical department.

Range

Code	PG	Disc	Item Description	Colour	Width mm	Length mm
28004	67	67	Corrugated Diamond Embossed Polycarbonate	Clear	1045	1830
28008	67	67	Corrugated Diamond Embossed Polycarbonate	Clear	1045	2440
28012	67	67	Corrugated Diamond Embossed Polycarbonate	Clear	1045	3050

UV PROTECTION

Corolite Diamond has a UV protection layer on both sides.

WARRANTY

There is 10 year limited warranty against loss of light transmission, yellowing and weather impact available for this product.

QUALITY

Manufactured under ISO 9001: 2015.

HANDLING & SAFETY

Do not step directly on the rooflight. Use stepping boards. Work according to local safety regulations.

STORAGE

Store in a shaded place, protect from direct sunlight and rain prior to installation. Avoid covering the sheets with heat absorbing materials. Avoid contact with chemicals. Protect the sheets from physical damage.

INSTALLATION

Make adequate allowance for thermal movement, nominally 3.5mm per metre. Holes drilled for fixings must be oversized. Sheet lengths must be limited to ensure there is no excessive movement at the end laps or fixings.

Do not overtighten fixings. Remove protective film on installation.

SERVICE TEMPERATURE

For stable prolonged service ranging from -20°C to 100°C. (Short term un-stressed -40°C to 130°C).

MAINTENANCE

In order to maintain this product in good condition it should be cleaned periodically using suitable detergent cleaning agents. Do not use solvent cleaners. Do not scrub with brushes or sharp implements. Avoid cleaning in hot sun or high temperatures.



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