

# Corolite

## Corrugated Polycarbonate Sheet – iron 10.5/3” profile

### 1. Product Information

A high performance, robust, lightweight rooflight material ideal for glazing, cladding and canopies. Suitable for both timber and steel framed structures. Available in Bronze and Clear tints.

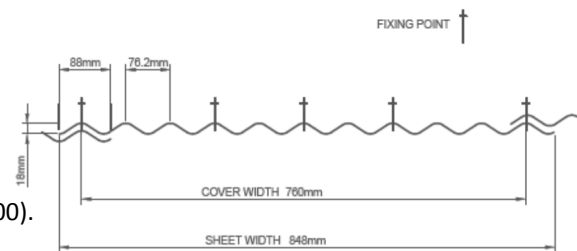
It is co-extruded with UV protection on the top surface which significantly reduces discolouration and prolongs the useful life of the sheets. Corolite sheet is up to 200 times more impact resistant and shatter resistant than glass – ideal for areas prone to vandalism or hail storms. It can withstand temperature extremes from -40°C to +100°C. The sheet carries a 10 year light transmission warranty and a 3 year weather breakage warranty.



### 2. Planning Your Project

#### Product Coverage

Sheet width 848mm. Cover width 760mm. Side lap 88mm. Sheet length 1.8m, 2.4m, 3.0m. Sheet end lap 150mm. Gutter overhang nominally 60mm. Fixings are 50mm screws with weatherproof caps (code 35000). Roof battens for fixings, at 1150mm maximum centres. Minimum roof slope of 5°.



#### Tools

Corolite can be cut or drilled using standard hand or power tools. To cut the sheet, use a fine tooth circular saw, or a hand-saw at a shallow angle. To drill sheets, use a 10mm diameter standard twist drill bit. Ensure sheets are securely supported to minimise vibrations.

Sheet Length	Minimum purlins	Fixings per sheet
1.8m	3	15
2.4m	4	20
3.0m	5	25

### 3. Preparation

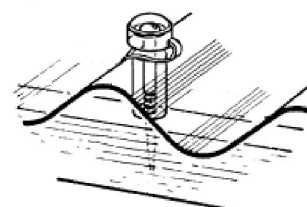
- Store sheets under an opaque cover.
- Build a sturdy roof frame with purlins at 1150mm maximum centres.
- Arrange the sheets on the roof with the UV protective surface uppermost.
- Mark hole positions and cutting lines with a felt tip pen (see above diagram for fixings pattern).
- Allow for sheet expansion at the top of the roof (5mm for a 3m long sheet).
- Cut or drill sheets singly before installation on the roof. (Avoid drilling or cutting sheets in very cold weather. If possible store sheets inside before cutting.)
- It may be useful to have one person working underneath the roof and one person working above the roof.
- Ensure that any sealants or tapes used are compatible with polycarbonate.

# Corolite

## Corrugated Polycarbonate Sheet – iron 10.5/3” profile

### 4. Installation

- Transfer one run of sheets at once, back onto the roof. Start at the side of the roof the wind usually blows towards (in the UK this is usually the NE).
- Screw the fixings through the pre-drilled holes into the roof frame. Tighten fixings finger tight only to allow for some thermal movement of the sheet.



### 5. Maintenance

To maintain the light transmission properties of the sheet, clean occasionally with lukewarm water, a mild soap solution and a soft cloth. Pre-rinse to loosen dirt and rinse afterwards to remove soap.

Never use abrasive cleaning materials, strong alkali cleaning solutions, acetone, petrol, benzene or solvents containing Butyl Cellosolve or Isopropanol. Never steam clean or use high pressure pressure-washers.

Bronze Sheet Codes	Clear Sheet Codes	Sheet Length
76912	76902	1800mm
76914	76904	2400mm
76916	76906	3000mm

Fixings Code	
35000	Pack of 10 superfixings

Sheet Thickness	<b>0.8mm</b>
Light Transmission	<b>32% Bronze, 88% Clear</b>
U-Value	<b>5.72W/m2K</b>