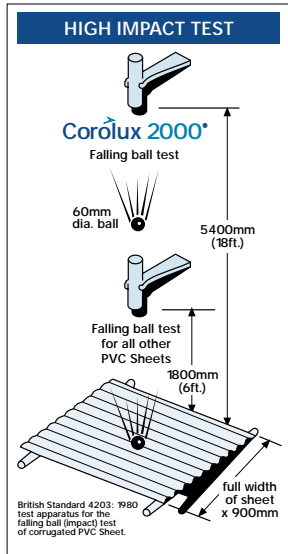


# Corolux 2000<sup>®</sup>

High Impact PVC Sheet

HIGH IMPACT RESISTANCE • TEN YEAR WARRANTY • EASY DIY FIXING • FULL RANGE OF ACCESSORIES



#### FIRE PERFORMANCE

Corolux 2000 achieves Class 1 Surface Spread of Flame classification when tested to BS476 Part 7.

#### IMPACT STRENGTH

In BS4203, the British Standard Specification for Rigid PVC Sheet, the requirement is for standard material to withstand the impact of a 60mm diameter ball weighing 0.9kg dropped from a height of 1830mm (6ft). Corolux 2000 withstands the impact when the ball is dropped from 5500mm (18ft) i.e. it has three times the impact resistance of normal PVC sheet. In a simulated hail test, where wooden balls weighing 14g were fired at the sheet at a speed of 150kph, no damage was sustained.

#### LIGHT TRANSMISSION

In a weatherometer test, where 10 years of natural weathering are simulated by 110 weeks of artificial weathering, 80% of the original light transmission is maintained.

#### CHEMICAL AND BIOLOGICAL RESISTANCE

Corolux 2000 resists most chemicals, with the exception of, for example, solvents. Contact with wet wood preservatives must be avoided. It is also resistant to micro-organisms and fungi: it is not attacked by insects or vermin.

#### BUILDING REGULATIONS

As Corolux 2000 is a rigid PVC sheet with a Class 1 Surface Spread of Flame rating, it can be used on a roof without limitation on its distance from the property boundary. Local Authorities may require planning permission for some types of structure.

*Remember that some structures require planning permission.*

#### DON'T FORGET

- Drill oversize holes
- Don't stack in sunlight
- Avoid contact with wood preservatives
- Don't walk on plastic roofs

#### Fixings

Profile	Fixing Centres	Recommended Support Centre	Cover width
Corolux 2000	167mm	914mm	836mm

#### Number of Sheets Required

Divide the roof width by the cover width

#### Number of Fixings Required

Divide the roof width by the fixing centres

Divide the roof length by the support centres and add 1  
Multiply these two values together = approximate number of fixings required

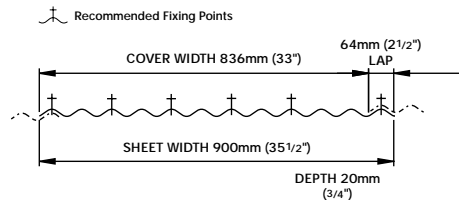
COROLUX 2000 ROOFLIGHTS MUST NOT BE USED OVER DARK COLOURED SURFACES, OR WITH DARK COLOURED SEALANTS.

If the use of PVC rooflights with a dark coloured roof cannot be avoided, then those areas of the roof sheeting which underlap the PVC sheet should be painted white, ensuring the Corolux 2000 rooflight is not over a dark coloured surface.



Certificate No. Q99825

#### Corolux 2000 is available in 3" C.Iron profile



#### 10 YEAR WARRANTY

ARIEL PLASTICS LTD undertakes to supply a replacement free of charge for any clear Corolux 2000 PVC Sheet which is proven to have failed due to a manufacturing defect, in normal climatic conditions, for a period of 10 years from the date of purchase.

This warranty is only valid providing the Corolux 2000 has been fixed in accordance with the manufacturers instructions; re-erections or consequential damage costs are not included.

This warranty is offered as an extra benefit and does not affect the consumers' statutory rights.

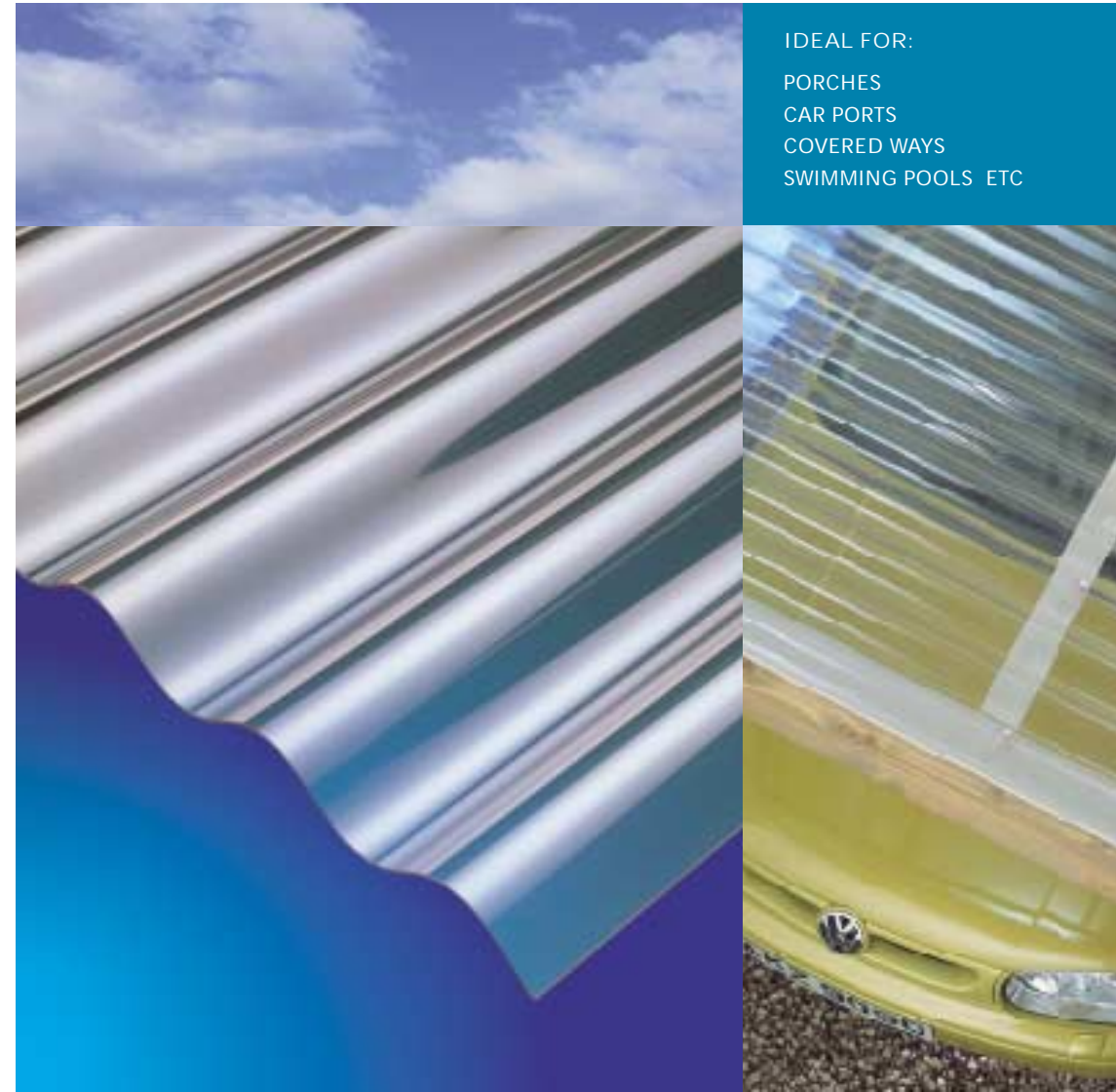


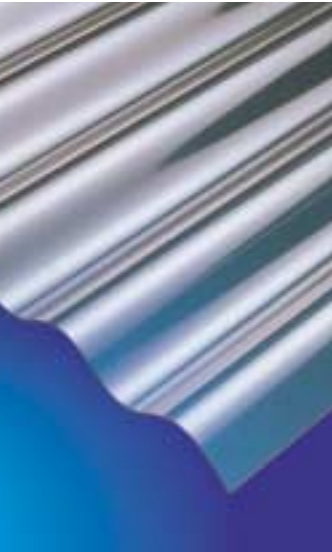
# Corolux 2000<sup>®</sup>

High Impact PVC Sheet

IDEAL FOR:

- PORCHES
- CAR PORTS
- COVERED WAYS
- SWIMMING POOLS ETC





Corolux 2000 Corrugated Sheeting is produced by a unique manufacturing process giving the sheet the following important properties:

**High Impact Resistance**  
**Virtually unbreakable**  
**3 x stronger than standard PVC**

# Corolux 2000®

High Impact PVC Sheet



## FEATURES

- Clear
- Three times stronger than standard PVC
- Maximum width 900mm
- Class 1 Fire Rating
- Light in weight
- Easy and quick to install
- UV resistant for durability
- Largely self-cleaning
- 10 year warranty



## APPLICATIONS

- |                  |                |
|------------------|----------------|
| PORCHES          | SWIMMING POOLS |
| CAR PORTS        | GRANDSTANDS    |
| COVERED WALKWAYS | GREENHOUSES    |



**Corolux 2000®**  
 High Impact PVC Sheet

## FIXING INSTRUCTIONS

### Storing before use

Storage indoors on a flat dry surface in cool surroundings is preferable. When outdoor storage is unavoidable, store flat on wooden bearers spaced at about 1m centres (3' 3") and cover completely with an opaque light coloured tarpaulin. Stacked sheets left uncovered in direct sunlight will distort due to solar heat gain in the stack.

### Support structure

Sheets must be fixed to supports spaced at centres not exceeding 914mm (3' 0"). Paints and wood preservatives applied to the supports must be thoroughly dried prior to fixing the sheet to avoid these attacking the sheet. Surfaces of supports immediately under the sheet must be light in colour, preferably white. A minimum slope of 5° is essential in any structure to ensure water run-off: it is preferable to have a slope greater than 10°.

### Setting out

The structure length should ideally be equal to a multiple of the sheet profile cover width plus one lap width - see profile drawing. When the sheets are set out on the structure prior to fixing they will then finish flush with the outer edges of the rafters under the sheet supports. When a sheet has to be cut to a finished width, make the cut in the adjacent profile valley: the cut edge will then extend slightly beyond the rafter face and provide greatest weather protection. When conditions permit, arrange the sheets loose on the roof, and mark hole positions and any necessary saw cuts with a felt tip pen.

### Cutting

Corolux 2000 is supplied in a number of standard lengths: prior to fixing, sheets should be cut to a length of about 60mm greater than the rafter length of the structure, providing an overhang at the bottom of the slope. When cutting is necessary use a fine tooth hand saw at a shallow angle and with light pressure. Support the sheet to minimise vibrations which can lead to cracking. A sheet can be cut when sandwiched between others with the part to be removed protruding. In cold weather leave sheets in a warm room for several hours. Warm sheets will be less prone to damage when cutting and drilling.

### Drilling

Holes for fixings must be pre-drilled. To accommodate thermal movement holes for screws must be 10mm

(3/8") diameter for sheet lengths up to 3.05m (10') and 12mm (1/2") diameter for sheets up to 3.66m (12') long. Drill sheets singly with a masonry bit, using a low speed drill and light pressure. Support the sheet securely under each hole position when drilling. The position and number of holes required at each support - and therefore the quantity of fixings required - is indicated in the profile diagram.

### Fixing

Start fixing sheets at the end of the structure which is downward of the prevailing wind. When joining sheets end to end, ensure an overlap of at least 150mm: when the roof slope is less than 10° the overlap should be increased to 300mm. Using a strip of Ariel Butyl Sealing Tape between sheet laps close to edges and ends will prevent ingress of dust and dirt. For lean-to structures the Ariel Wall Flashing at the top of the slope acts as a closure flashing between the profiled roof sheet and adjacent wall. Ariel Foam Fillers should be used under the sheet at all support positions to prevent roof "chatter" and support the sheet when fixed. Use Ariel screws, caps and washers to secure the sheet: the screw is sufficiently tight when the washer under its head can just be rotated with finger and thumb.

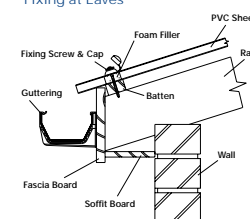
### Service Temperature Range

Corolux 2000 can be used in temperature conditions from -20°C to +60°C. When sheet temperatures exceed +60°C distortion and discolouration will result. Consequently false ceilings, insulation or any other opaque material must not be placed under the fixed Corolux 2000 sheets.

### Cleaning

The high gloss sheet surface retains little dirt. Warm soapy water and a soft cloth or sponge are suitable for cleaning.

Fixing at Eaves



Fixing to Timber Purlins

