



Sole Australian distributor  
of Lexan\* Multiwall sheeting



Site safety. In all applications, sheeting should not be used to support a person's weight during installation or cleaning. A temporary wooden beam or other device, supported by roof members, should always be used.



## Flexibar Installation Instructions

# Lexan\* Thermoclear\* multiwall sheet

\*Trademarks of Sabic Innovative Plastics IP BV

### NOTE:

Please read instructions thoroughly prior to commencement of installation.

### Design considerations:

For new structures, attempt to design in accordance with the following table.

#### 10 mm Twin Wall sheet

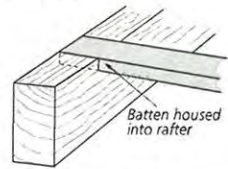
Sheet width	Rafter spacing	Purlin (Batten) spacing	Min. fall
700 mm	720 mm	not required	5°
1050 mm	1070 mm	1200 mm (recommended)	5°

Above figures based on 900 N/m<sup>2</sup>. For installation in high wind areas, please contact Ampelite.

For existing structures or designs outside of the above table, sheets must be cut to width to ensure that rafters support the Flexibar.

It may be possible for sheeting to be supported without the need for battens. Please contact Ampelite for details.

For all Flexibar applications, the roof battens MUST be housed into the rafters so that the rafters and battens are on the same plane.



Flexibar may be used for curved applications, provided there is a supporting rafter with a flat surface. Flexibar may be used with any gauge sheeting. Allow overhang (maximum 50mm) if draining into gutter.

For installation of 10 mm sheeting on surfaces with a consistent fall, Ampelite's H-Bar fitting system is recommended.

### Installation Hints:

Both sides of the sheet are UV protected and can therefore be installed with either side facing up.

Sheet ribs (flutes) must run vertically with the fall of the structure.

Sheeting can be cut to length using a power saw fitted with a fine tooth blade of a type suitable for plastic. A sharp blade can be used for cutting to width.

Do not use sealants that are not 100% chemically compatible with polycarbonate sheeting; suitable sealants are available from Ampelite. The use of incorrect sealants or gaskets will void the warranty.

### Checklist:

- Lexan® Thermoclear® Sheeting
- Aluminium Flexibar glazing bar
- Flexibar gasket
- Flexibar rafter gasket
- Aluminium end cap ('U' shaped)
- End cap gasket to suit sheet gauge
- Aluminium Flexibar bracket (two per rafter)
- Aluminium sealer tape
- Double sided tape
- Anti-noise tape
- 12 gauge screws (minimum)
- Bonded washers

SABIC  
Innovative  
Plastics™

سابك  
sabic

Lexan\* Tough  
Polycarbonate Sheet Virtually  
Unbreakable

\*Trademark of Sabic Innovative Plastics IP BV

Authorized Distributor

