



Flat Glazing



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Liteglaze Glazing Strip



The Liteglaze Glazing Strip can fix Ariel's glazing materials from 2mm to 4mm as secondary glazing to an existing window frame. The double sided adhesive tape means it can be fixed to either wood or metal frames securely. For larger wooden windows it is recommended that the strip is screw fixed. The 'snap-in' cap makes installation both quick and easy. It is also suitable for fitting Styrene in internal situations e.g. internal door panels, wallpaper protection etc.

Thermal Expansion Allowance

| Product Type | Co-efficient of Thermal Expansion mm/m°C | Expansion Allowance per metre of sheet (mm) | Hole Size |
|----------------|--|---|--|
| Liteglaze | 0.07 | 4.5 | Shank Diameter +6mm for first metre of sheet and 4.5mm for each subsequent metre |
| Styrene | 0.08 | 5.0 | |
| Corotherm Flat | 0.067 | 4.5 | |

Cleaning

Use anti-static cleaner or warm soapy water to clean, also suitable for use with Styrene and Corotherm Flat.

DO NOT USE glass cleaner, abrasives or squeegees.

Glazing Sheet Dimensions

| DIMENSIONS (MM) | 600 x 1200 | 600 x 1800 | 900 x 1200 | 1200 x 1200 | 1200 x 1800 | 1200 x 1830 | 1200 x 2400 | 1220 x 2400 |
|---|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|
| Liteglaze® (2mm and 4mm) | • | • | | • | • | | • | |
| Styrene® (2mm and 4mm) | • | • | • | • | • | | • | |
| Corotherm Flat® (4mm and 6mm) | | | | | | • | | • |

Liteglaze®
Clear Acrylic Sheet

Styrene®
Clear Polystyrene Sheet

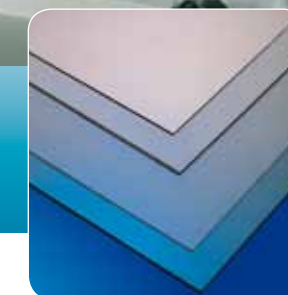
Corotherm Flat®
Solid Polycarbonate Sheet



**FLEXIBLE
LIGHT IN WEIGHT
RANGE OF SIZES**



Acrylic Sheet Exterior
Polystyrene Sheet Interior Grade
Solid Polycarbonate Sheet



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Flat Glazing

IMPORTANT

These instructions are guidelines only and do not include all the appropriate equipment which should be used in accordance with safety regulations.



IDEAL FOR:
Secondary Glazing
Replacement Glazing
Splash Barriers
Protective Screens

Liteglaze®

Clear Acrylic Sheet

FEATURES

- Safer & stronger than glass
- Easily transportable
- Light in weight
- UV resistant
- Flexible
- Suitable for interior & exterior use

INTERIOR & EXTERIOR USE

APPLICATIONS

- Secondary Double Glazing
- Replacement Windows (Planhouses & Sheds)
- Cloches & Coldframes
- Room Dividers
- Display Cases & Door Panels

Styrene®

Clear Polystyrene Sheet

FEATURES

- Safer & stronger than glass
- Easily transportable
- Light in weight
- Economical
- Suitable for interior use only

INTERIOR USE ONLY

APPLICATIONS

- Splashbacks & Wallpaper Protection
- Display Cases & Cupboard Fronts
- Room Dividers
- Interior Door Panels
- Lightweight Shelving
- Picture Framing

Corotherm Flat®

Solid Polycarbonate Sheet

FEATURES

- Very high impact resistant
- Much safer than glass
- Flexible
- High light transmission
- UV resistant
- Suitable for interior & exterior use

INTERIOR & EXTERIOR USE

APPLICATIONS

- Primary Glazing
- Secondary Glazing
- Areas Where Security is Vital
- Whenever Vandalism is Possible
- Screen Guards & Visors

1

Cutting

Carefully score the sheet until nearly halfway through and right up to the edges, using a cutting knife with a scoring blade, against a firm straight edge, clamping the sheet to avoid slipping. It is best to score the sheet on a firm flat surface.

Place the sheet on a firm table, with the scored cutting line upwards and along the edge of the table, then apply even pressure downwards to break the sheet along the scored line. When breaking the sheet support all the sheet fully along the scoreline. If any irregularities occur, they can be smoothed with an emery board or filing plane.

N.B. It will not be possible to cut Corotherm Flat using this method. See sawing guidelines below.

2

Sawing

Ariel Glazing Sheets can be sawn, either singly or several sheets together. Use an electric jigsaw or a handsaw with a fine toothed blade at a shallow angle. Sawing is better than cutting and dividing if just a thin strip needs to be removed from a sheet. For cutting curves, use an electric jigsaw which has a scrolling feature. When using a jigsaw set the pendulum stroke to zero and when cutting curves always ensure the sheet is fully supported.

3

Drilling

Slow speed power drills or hand drills are both suitable for drilling Glazing Sheets and should be used with a metal working bit. Prevent the drill point from skipping by marking the hole position with a bradawl or by applying a small piece of adhesive tape where the hole is to be made. Use light pressure and back the sheet with a piece of wood to help prevent the sheet from chipping where the drill bit emerges. Make holes 3mm larger than fixings to allow for thermal movement.

4

Fixing

Ariel Glazing Sheet can be fixed using suitable proprietary fasteners, jointing strips, adhesives and sealants. Leave 3mm clearance around the edges of the panels to allow for thermal movement. Do not remove the protective film until the piece is ready to be fitted. Corotherm Flat can be installed in most types of frames including PVC, wood and aluminium. The framing system must retain the sheet but allow for thermal movement. Only compatible sealants must be used, these include silicone, EPDM, neoprene or 'plasticiser free' chloroprene materials of proven performance. Please note that PVC gaskets are not suitable for use with polycarbonate.