INSTALLATION GUIDE FOR AXTER/AMS INDUSTRIE CONTINUOUS ROOFLIGHTS (VOUTE ARCADE)

Before installing the Voute Arcade, it is necessary to check the following:

KERB DIMENSIONS
The dimensions, angles and thickness of the kerb must conform to the drawings and specification prepared by Axter/AMS Industrie.

KERB ANGLES
Out of square tolerance must not exceed 20mm.

INTERNAL DIMENSIONS
The width (cord) and length of the internal measurements of the kerb must conform, within + or – 10mm, to the drawings and specification prepared by Axter/AMS Industrie.

PLEASE NOTE!
It is imperative that any errors are rectified before installation, otherwise Axter reserves the right to withdraw its guarantee.

TOOLS
- Electric screwdriver with bit no. 10-13
- Flat-head screwdriver
- Phillips screwdriver
- Flat key 10-13
- Allen key 10-13
- Crocodile clips
- Cutter
- Tape measure

1 INSTALLATION OF END GLAZING – Diagram 1

Position the factory-assembled end glazing cill on the end kerb, making sure that it is vertical, and fix using 3 self-drilling screws 6.3 x 25, evenly spaced along the length of the metal cill of the end panel. Align the interior of the kerb with the 15mm return on the metal cill of the end panel.

2 INSTALLATION OF CILLS – Diagram 2

Position and fix the cills on to the kerb by 3 self-drilling screws (3 per length). Take care to follow the numbering and direction of the lengths and to position them in the correct order. Refer to the "Aluminium Profile Spacing Plan" document.

3 INSTALLATION OF GLAZING BARS – Diagram 3

Position each glazing bar in line with the pre-drilled holes in the cills and fix with 2 self-drilling screws 6.3 x 25 at each end. After installing all the glazing bars, fix the second end glazing panel at the other end of the rooflight, using the same method as the first.
Check the distance between the glazing bars by referring to the "Aluminium Profile Spacing Plan".

4 INSTALLATION OF 1200 JOULE REINFOREMENT – Diagram 4

Install the 1200 Joule reinforcing bars (U 20/20) on the under side of each glazing bar in line with the pre-drilled holes using 2 x M6 bolts.

The length of the reinforcing bars is a multiple of the distance between the glazing bars, i.e.

- 3 times the distance (maximum)
- 2 times the distance
- 1 times the distance

The number and spacing of the reinforcing bars are shown by the pre-drilled holes in the glazing bars. Refer to the "Aluminium Profile Spacing Plan".

HELPFUL HINT
The 1200 Joule reinforcing bars can be fixed to the glazing bars before the latter are installed.

5 INSTALLATION OF STRUCTURED POLYCARBONATE GLAZING - Diagram 5

Position the glazing panels between each glazing bar, with the printed face towards the outside of the building. Allow a lateral 20mm overhang over the glazing bar and 25mm clamped into the cill.

PLEASE NOTE!
Do not damage the adhesive strip at the end of each panel. Replace immediately if necessary.

6 INSTALLATION OF CLAMPING BARS- Diagram 6

Position the clamping bars and ensure they are aligned with the glazing bars. Clip into the base of the cills. Tension each end with an 8 x 40 bolt with even force. Position the stainless steel 5.5 locking screws; do not overtighten.

HELPFUL HINT
Install each clamping bar as each glazing panel is fitted.

7 INSTALLATION OF EPDM RUBBER JOINTS - Diagram 7

Cut and clip the rubber joint (JC) into the joint groove at the end of the continuous rooflight and the sill joint (JR) into the base of the cill. Follow the correct direction of installation as shown in the diagram.