To ensure optimum performance please follow the correct fitting procedures outlined in this installation guide.

Site safety and good building practice should be adhered to at all times.

**STORAGE & HANDLING**

**MUST BE STORED FLAT**
Use timber bearers to provide support for all GRP elements.

**DO NOT STACK**
GRP elements must not be stacked or have heavy weights placed on top.

**LIFTING INTO POSITION**
GRP elements must be evenly supported on each side when lifting on to brackets.

**PROTECT FROM WIND**
Lightweight items should be secured to prevent from wind damage on site.

**PROTECT FROM SOAKING**
GRP should be stored in dry conditions. Avoid soaking or storing in very wet conditions.

**Site Safety**
Please observe all Site Safety guidelines and observe safe working loads when lifting mechanically.
Fixing recommendations

<table>
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<th>Pg</th>
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<th>Dimension</th>
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<td>Larger canopies require special calculations</td>
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<td>Width (up to) 6000mm</td>
<td>Timber Frame to Wall: Fischer SRX 10 x 100. Grey cover caps</td>
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<td>Projection Up to 750mm</td>
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NOTES:

It is the sole responsibility of the Installer to ensure installations are carried out in accordance with IG Elements Installation Instructions. These instructions do not excuse the installer of the accountability to check that the chosen fixings are compatible with the wall or roof construction. All fixings are to be installed in strict accordance with the manufacturer’s instructions.

All installations of IG Elements products must take into consideration the structural integrity of the wall/roof which products are being fastened to.

Any installations larger than those dimensioned above must be given special structural consideration.

Please note, all of the above calculations are based on installation of the products on to the following substrates:

Facing brick: 15n/mm²  Concrete blocks: 7n/mm²  Concrete: minimum 25n/mm²
1: Wall Brackets
For Apex, Mono Pitch and Flat canopy types.

Position & Fix Brackets

1.1 Determine canopy height: Level with door head, above door head etc. Width is determined by the canopy dimensions.

1.2 To fit first bracket, mark positions for drill holes.

1.3 Fit brackets; mark positions and drill holes for first bracket. Drill bit size M10.

1.4 Secure first bracket using the recommended fixings (Fischer SXR 10x100mm).

1.5 Ensure second bracket is level and positioned correctly. Drill and secure as before.

1.6 Brackets ready for canopy installation.
2: Apex GRP tile effect

Position & Fix Brackets (see page 3) before canopy preparation & fixing

2.1 Apply mastic sealant to the rear of the Flashing Upstand while on the ground. Use protective sheeting to front face of canopy.

2.2 Centre the canopy position, ensuring equal distance at either side, before pushing back to contact with the wall.

2.3 Fix canopy by drilling (drill bit size M10) through the flashing upstand at a minimum of 300mm centres.

2.4 Fix canopy using the recommended fixings and plugs (Fischer SXR 10x60mm).

2.5 Secure the canopy to the brackets using the pre-drilled holes and recommended fixings. (Fischer Pozi ZP 5x50mm)

2.6 When the canopy is fully secured a second mastic sealant can be applied.
3: Apex RTT

Position & Fix Brackets (see page 3) before canopy preparation & fixing

3.1 Drill holes for fixing at min. 300mm centres, max. 450mm centres (drill bit size M10) First hole at min. 50mm from apex. Use protective sheeting to front face of canopy.

3.2 Centre the canopy position, ensuring equal distance at either side, before pushing back to contact with the wall.

3.3 With canopy in position, mark and drill positions for all fixings. Drill bit size M10.

3.4 Secure the canopy through the timber frame at a minimum of 300mm centres using the recommended fixings and plugs (Fischer SXR 10x100mm).

3.5 Secure the canopy to the brackets using the pre-drilled holes and recommended fixings. (Fischer Pozi ZP 5x50mm)

3.6 Installation is now complete ready for tiling.
4: Contemporary

Position & Fix Contemporary Canopy

4.1 Determine canopy height: Level with door head, above door head etc. Width is determined by the canopy dimensions.

4.2 To fit first bracket, mark positions for drill holes. Drill bit size M10.

4.3 Drill holes for first bracket. Drill bit size M10.

4.4 Use a temporary fixing to hold canopy for levelling. Use the recommended fixing type (Fischer SXR 10x60mm).
4: Contemporary

4.5 Ensure canopy is level before marking the remaining fixing positions.

4.6 Remove canopy before drilling the remaining holes. Drill bit size M10.

4.7 Reposition canopy and secure with the recommended fixings (Fischer SXR 10x60mm).

4.8 Installation is now complete.
5.1 Apply mastic sealant to the rear of the Flashing Upstand while on the ground. Use protective sheeting to front face of canopy.

5.2 Centre the canopy position, ensuring equal distance at either side, before pushing back to contact with the wall.

5.3 Secure the canopy by drilling through the flashing upstand at a minimum of 300mm centres with recommended fixings and plugs (Fischer SXR 10x60mm). Drill bit size M10.

5.4 Secure the canopy to the brackets using the pre-drilled holes and recommended fixings. (Fischer Pozi ZP 5x50mm)

5.5 When the canopy is fully secured a second mastic sealant can be applied.

5.6 Installation is now complete.
6: Mono RTT

Position & Fix Brackets (see page 3) before canopy preparation & fixing

6.1 Drill holes for fixing at min. 300mm centres, max. 450mm centres (drill bit size M10) First hole at min. 50mm from apex. Use protective sheeting to front face of canopy.

6.2 Centre the canopy position, ensuring equal distance at either side, before pushing back to contact with the wall.

6.3 With canopy in position, mark and drill positions for all fixings. Drill bit size M10.

6.4 Secure the canopy through the timber frame at a minimum of 300mm centres using the recommended fixings and plugs (Fischer SXR 10x100mm).

6.5 Secure the canopy to the brackets using the pre-drilled holes and recommended fixings. (Fischer Pozi ZP 5x50mm)

6.6 Installation is now complete ready for tiling.
7: Flat GRP Brackets

**Position & Fix Brackets (see page 3) before canopy preparation & fixing**

7.1 Apply mastic sealant to the rear of the Flashing Upstand while on the ground. Use protective sheeting to front face of canopy.

7.2 Centre the canopy position, ensuring equal distance at either side, before pushing back to contact with the wall.

7.3 Secure the canopy by drilling through the flashing upstand at a minimum of 300mm centres with recommended fixings and plugs (Fischer SXR 10x60mm). Drill bit size M10.

7.4 Secure the canopy to the brackets using the pre-drilled holes and recommended fixings. (Fischer Pozi ZP 5x50mm)

7.5 Position the GRP Kneeler supplied and fix with polytop pins.

7.6 When the canopy is fully secured a second mastic sealant can be applied.
8: Flat Internal Brackets

8.1 Fix a level batten at the desired canopy height.

8.2 Rest soffit of canopy onto batten and drill all fixing holes. Drill bit size: M10

8.3 Insert fixings. Do not fully tighten before levels have been checked and corrected.

8.4 Use packing shims to level canopy. Shims can be inserted from above or below as required.

8.5 Apply mastic sealant to the rear of the flashing upstand while on the ground. Use protective sheeting underneath the canopy.

8.6 Secure the canopy by drilling through the flashing upstand at a minimum of 300mm centres. Use recommended fixings and plugs. Drill bit size M10.  

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8: Flat Internal Brackets

8.7 Pre-drill holes using a M6 drill bit. Holes should be 50mm in from all corners and spaced at Max 500 ctrs.

8.8 Align roof with base and secure with Fir tree Fixings.

8.9 When the canopy is fully secured a second mastic sealant can be applied.

8.10 Lead Flashing: If lead flashing is being used it must be pre-installed and folded down after the canopy is fully fitted and secured.