em.glaze™ linked



# These installation instructions should be used for:

## Contents



*Product may vary*

## Tools Required

- Drill
- No.25 TX Torx Drive Bit
- Knife
- 3mm Drill Bit

## Installation Pack

- Butyl Tape
- Fixing Screws
- Glazing Bar
- Fixing Bolts
- Silicone Backer Rod

These instructions should be used for:
Guidance relating to Constructing & Waterproofing a Timber Upstand Curb, Assembling & Installing a Multi-Pane Flat Glass Rooflight.

**Please read this installation guide carefully before beginning your installation.**

**Contact your supplier if you are unsure about anything involved.**

## Handling & Storage

While all em.glaze linked glass rooflights and associated products are suitably packaged to avoid damage, you should take care when handling them. Two or more people may be needed to move larger items.

All rooflights, curbs and accessories must be stored on a flat, dry surface under cover if they aren't going to be installed immediately.

em.glaze linked glass rooflights should not be stored on edge at any time. This could cause detrimental damage to the silicone seal and latent stress within glass.

em.glaze linked glass components should not at any time be left in direct sunlight until installation is complete. Heavy items should not be placed on top of them as this can lead to damage or distortion.

The HSE publication Safety in Roofwork HSG33 gives good advice on the necessary precautions, safe working practices and procedures that need to be adopted when working on roofs.

## Maintenance

Where em.glaze linked glass rooflights are deemed non-fragile, they should still be treated as fragile surfaces and should not be walked upon without crawler boards under any circumstances, unless the unit has been designed as a walk-on rooflight. Once installed you should check fixings, ventilation and sealing tape where applicable once a year. Avoid all contact with: silicone, wood preservative, adhesives and sealing tapes.

Remove tar stains with turpentine and rinse thoroughly with water. Clean with mild soapy water (no abrasives) and always rinse with plenty of fresh water. In normal weather and site conditions, occasional cleaning is required to maintain their present condition. No other maintenance should be necessary.

**NB: Installation must comply with all applicable local building regulations.**

## Constructing & Waterproofing a Timber Upstand Curb

Construct the upstand using minimum 50mm thick timber to finish 150mm above the finished roof level.

Upstand must be flat-topped (we recommend a 5° slope angle for water run-off. See Fig. 1). Apply the waterproofing (in accordance with Manufacturers Recommendations) up and right across top of upstand to give a flat even surface.

Construct the upstand according to the external size required. Note that the thickness of waterproofing membrane material will affect the daylight size.

**A** Overall upstand size (external curb size = external timber size + waterproofing thickness)
**B** Internal upstand size (Inc. Lining): Dependent on width of material
**C** Minimum height: 150mm
**D** Waterproofing
**E** Builders curb

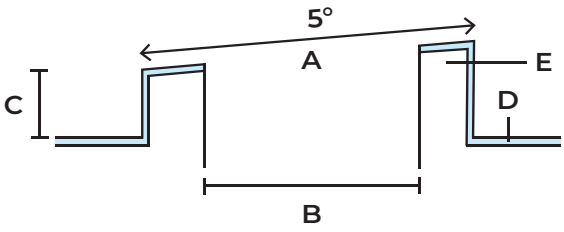



*Fig. 1*

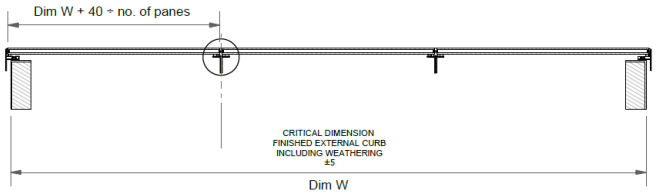
This will provide for a maximum waterproofing thickness of 15mm all around.

**Note: for asphalt in excess of 13mm thick, contact your supplier.**

## Assembling & Installing an em.glaze linked glass rooflight onto Waterproofed Builder's Upstand

1. Check size of rooflight and the size of the external kerb to make sure the rooflight will fit over the kerb. The rooflight must not be forced down over the kerb as this will cause the frame to twist which may adversely affect the glass. There should be at least 10mm gap between inside face of frame and finished kerb to allow internal drainage within system to operate correctly. Check that the kerb is has been constructed with a min 5° fall to help shed water, and that the kerb top is level and in one continuous plane (this is most important as this could affect drainage).

   **Note:** Care should be taken to avoid damaging or scratching components.




2. Position one continuous run of weatherproofing compriband tape 5–15mm in from outside edge of curb. Ensure any curb height variation is maximum 5mm other wise tape may not be effective.

3. Working from one end, position an end rooflight panel onto the top of the kerb ensuring the compriband tape or seal is in full contact with the kerb top around the full perimeter.

4. Locate the first of the middle sections of the rooflight and position it next to the end section, slotting the glazing bars together if necessary. Line up the central glazing bar holes, before using the fixing bolts. Install fixing bolts with black washers and when doing final tightening ensure frame is aligned. Fit Black caps to bolt heads and nuts to finish.

5. Using the fixing screws supplied, fix the frame to the kerb horizontally through the fixing holes pre-drilled in the lower part of the perimeter frame.

6. Repeat until all sections are in place.

7. Once all the glazing bars are bolted together and secured to curb cut the silicone nozzle to approx. 8–10mm across and run a bead of silicone along the top of the glazing bars where they meet to create a water tight seal.

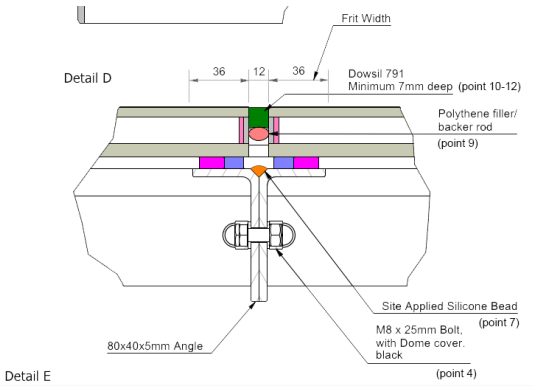
8. Clean glass and if preferred use masking tape to protect the glass at the joint between the glass panes making sure the tape is fully on the glass and not overlapping.

9. Position the foam backer rod in between the abutting panes of glass.

10. Pump silicone into the joint until it overlaps the height of the glass.

11. Using a putty knife, silicone tube or similar, level the silicone into the joint.

12. Remove the masking tape and tidy the silicone if required.




13. **Please note:** Once the rooflight has been installed any protective film should be removed on the day of installation.

14. Clean and snag any details.

**PLEASE PASS ONTO BUILDING OWNER/OCCUPIER.**

## Glass Thermal Fracture

Your em.glaze linked glass rooflight is generally supplied with the internal pane as laminated glass to give maximum safety and security to personnel internally and externally.

Annealed laminated glass could be subject to thermal fracture and care should be taken to avoid uneven heat buildup under the glass.

Any installation of blinds, film or alterations to roof light-well, or other heat sources must consider the above and be installed/used in such a way to prevent risk of thermal fracture.

Further guidance can be obtained by contacting our Technical Team using the details below.

## Contact Details

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