

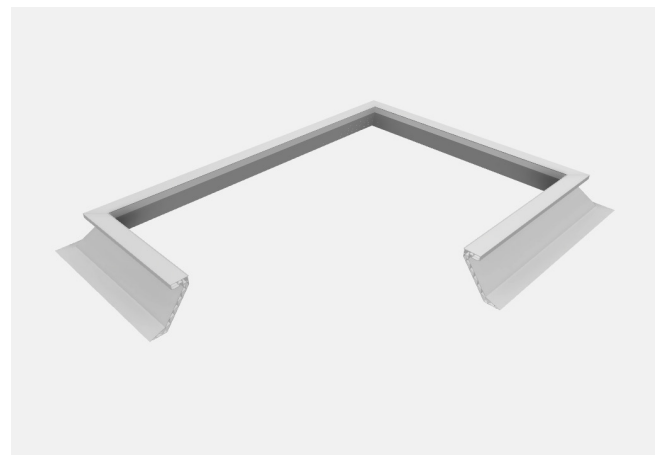
em.curb™

TECHNICAL DATA SHEET | 27.08.21 | V.1.1

Our proprietary upstands are suitable for use with almost our entire range. Prefabricated upstands ensure rapid, airtight and watertight rooflight installation for shorter construction timescales.

em.curbs are suitable for use with various roofing membranes, including single ply (bonded, welded or mechanically fixed), torch-on felt, hot melt, asphalt, GRP and liquid systems. Some designs feature smooth white internal finish to eradicate the need for further interior decoration – as well as a U-formed groove at the bottom of the curb to allow for a seamless fit with 12.5mm plasterboard, eliminating risk of unsightly cracks at the rooflight and lining interface.

em.curb upstands are supplied in conjunction with em.dome, em.glaze, em.vault and t.vault rooflights and can be provided with ventilation and access options, including manual or electric hinged opener or controllable rotating vents. Refer to the relevant main product brochures for further details.



Features & Benefits

- Suitable for most roof finishes and available in heights of 150, 300 and 350mm
- Provides a thermally broken interface which improves the overall thermal efficiency of the roof
- Prefinished white internally, requiring no further decoration
- Square, rectangular and circular shapes available
- Most ventilation options can be used in conjunction with em.curbs

uPVC 150mm Vertical Upstand

Product description:

The em.dome curbs consist of white extruded polyvinyl chloride profiles of resistant frame quality.

They are 4 walled and can be used as raised curb, renovation curb or new curb. Several systems can be fixed in or on the curb (in-built ventilation).

Different types of roofing membranes can be welded on the curb. The inner side is smooth and doesn't need an extra treatment after placing the curb. The curb is equipped for the installation of brackets and hinges.

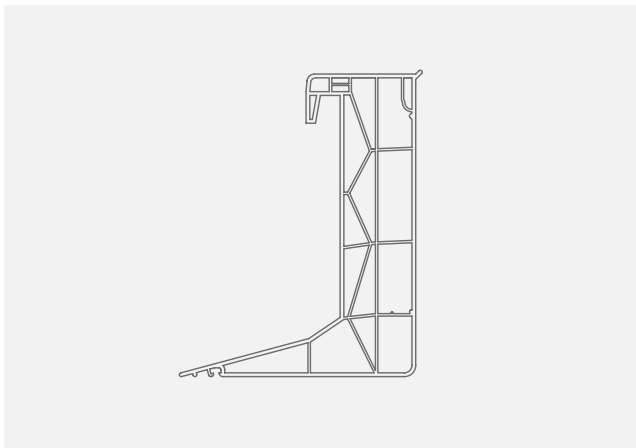
The curb has the CE label according to EN1873 when purchased together with relevant em.dome.

Specific characteristics:

Mechanic characteristics	uPVC of the type Benvic S white
Thermal characteristics	U-value: 1.00 W/m ² K (EN 12567-2)
Dimensions	Sheet thickness: 40 mm Height: 160 mm Roof opening size = daylight size
Density	1500 kg/m ³

Attestations and certificates:

- CE according to EN 1873 when purchased together with relevant em.dome
- Fire class M1
- Fire class E (EN 11.925-2)



uPVC 150mm Splayed ECO Upstand

Product description:

The PVC 150mm Splayed ECO upstand consists of white extruded polyvinyl chloride profiles of resistant frame quality. They are nine-walled and have a x-structure, which make them very solid and super insulating. Different types of roofing membranes can be welded on the curbs. The inner side is smooth and does not need an extra treatment after placing the curb.

The curb has a U-formed groove at the bottom for the inside finish with plasterboard of 12.5 mm. The roof opening for the inside finish = daylight size + 240 mm.

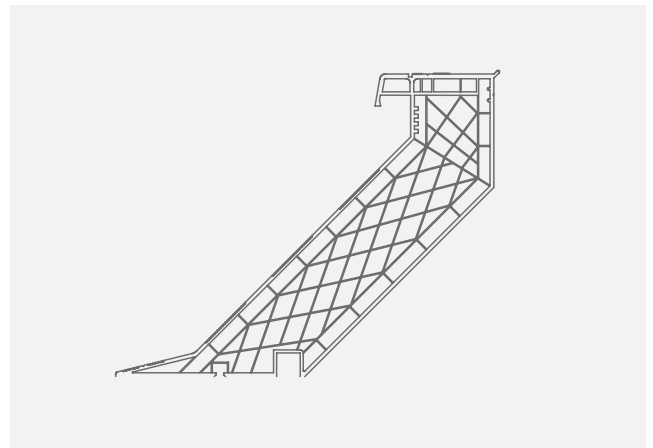
The curb is CE certified according to EN 1873 when purchased together with relevant em.dome

Specific characteristics:

Mechanic characteristics	uPVC of the type Benvic S white
Thermal characteristics	U-Value 0.92 W/m ² K
Dimensions	Thickness: 50 mm Height: 160 mm Roof opening size = daylight size + (2 x 100)mm
Density	1500 kg/m ³

Attestations and certificates:

- CE according to EN1873 when purchased together with relevant em.dome
- Fire attestation M1
- Fire attestation E (EN 11.925-2)



uPVC 300mm Splayed Upstand

Product description:

The em.curb upstand consists of white extruded polyvinyl chloride profiles of resistant frame quality. They are five layered and several systems can be fixed in or on the curb. Different types of roofing membranes can be welded on the curbs. The inner side is smooth and doesn't need an extra treatment after placing the curb. The curb is equipped for the installation of brackets and hinges.

This curb has the CE label according to EN 1873 when purchased together with relevant em.dome.

Specific characteristics:

Mechanic characteristics	uPVC of the type Benvic S white
Thermal characteristics	U-value: 1.00 W/m ² K (EN 12567-2)
Dimensions	Sheet thickness: 40 mm Height: 300 mm Roof opening size: daylight size + (2x100) mm
Density	1500 kg/m ³

Attestations and certificates:

- CE according to EN 1873 when purchased together with relevant em.dome
- This dome curb is part of the CE certification of the smoke and heat extraction systems
- Fire class M1
- Fire class E (EN 11.925-2)



uPVC 350mm Splayed Oversleeve

Product description:

The em.curb 350/s is a unique market leading rooflight upstand designed for use on roof refurbishment projects to oversleeve existing upstands.

This benefits both the client and the installer by reducing the time taken to install the new rooflight and it normally means that the existing internal lining does not need to be disturbed. The em.curb 350/s simply sits on the roof outside the existing upstand after removal of the old glazing.

If the existing roof construction contains controlled materials or can not be disturbed for other reasons, the em.curb 350/s Oversleeve will help you to overcome this.

Features:

- Oversleeve existing upstands
- No disturbance to existing lining
- Reduces rooflight installation time
- Reduces time the rooflight opening is exposed
- Less Health and Safety risk
- Thermally broken
- Accommodates up to 200 mm roof insulation
- Suitable for all flat roofing finishes

Performance:

Thermal regulations: The multiwall PVCu construction of the upstand provides a consistent thermal barrier and has an excellent U-Value of 0.89W/m²K. Using this upstand will help to meet current thermal requirements on any project.

Installation: The upstands are supplied prefabricated and in one piece ready for immediate installation – up to 200mm roof insulation can be accommodated. Being PVCu construction the units are suitable for all flat roofing finishes, including single ply, torch on felt, asphalt, hot melt, GRP and liquid systems.

What is oversleeving?

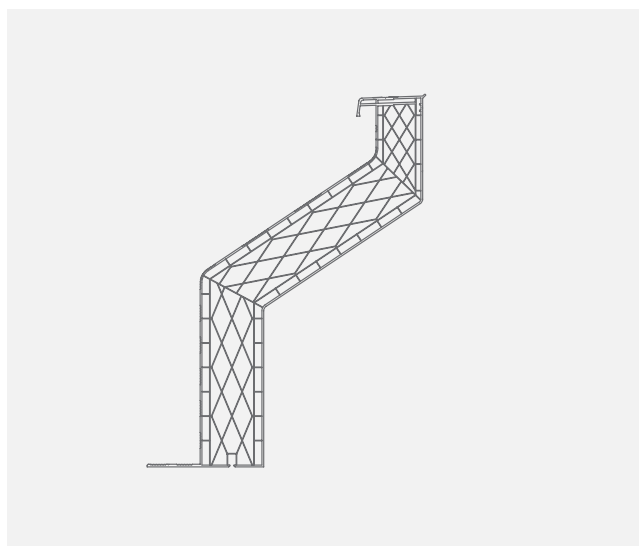
Oversleeving allows the existing upstand and internal lining to remain undisturbed. The em.curb PVC 350/s sits around the outside of the existing upstand on to the roof. Up to 200mm roof insulation can then be abutted to the side of the new upstand before it is waterproofed.

Specific characteristics:

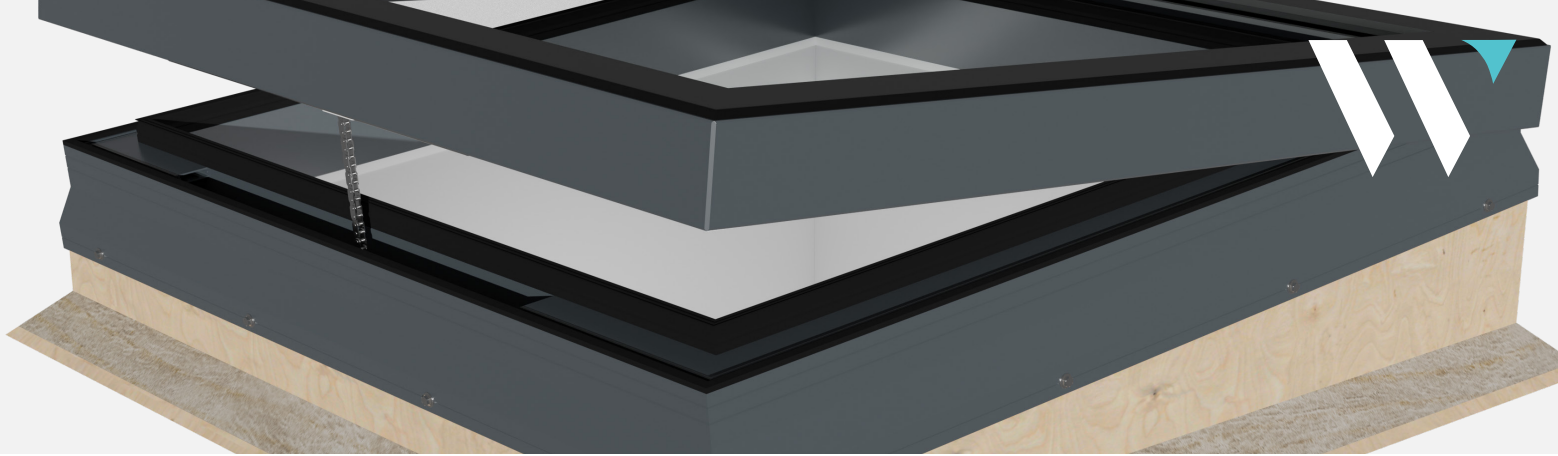
Mechanic characteristics	uPVC of the type Benvic S white
Thermal characteristics	U-Value 0.86 W/m ² K (EN 10077-2:2012)
Dimensions	Thickness: 60 mm Height: 350 mm Lower vertical face internally 150mm Roof opening size = daylight size + (2 x 150)mm
Density	1500 kg/m ³

Attestations and certificates:

- CE according to EN 1873 when purchased in combination with an em.dome rooflight
- Fire class M1
- Fire class E (EN 11.925-2)



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Timber Sloping Upstand

Product description:

The new proprietary Whitesales Timber Sloping Upstand designed exclusively for the em.glaze is constructed with the tradesperson in mind. With the new Part L Thermal building regulations requiring all upstands built on site, either new build or refurbishment projects meet a u-value of 0.35W/(m²·K). The new proprietary timber sloping upstand ensures that every Whitesales em.glaze fixed or concealed motor aluminium roof light is fully compliant.

Constructed from thick CLS timber sandwiched together with Rockwool insulation and marine grade plywood with a fire rated plasterboard lining. It is supplied pre-assembled making it quick and easy to install, whilst guaranteed to be structurally and dimensionally sound to suit all em.glaze products.

Specific Characteristics

Mechanic characteristics:

CLS graded timber
Marine grade plywood
Non-combustible insulation
Non-combustible plasterboard lining

Thermal characteristics:

U-value: 1.2 W/m²K

Dimensions:

Internal plasterboard thickness: 12.5mm
Internal face to external face: 75mm
Pitch (front to back): 5°



Attestations and certificates:

Insulation Fire rated A1 (EN 13501-1)

Internal Lining Fire rated A1 (EN 13501-1)

- Complies with Approved Document L Building Regulations (Limiting Values New & Existing Dwellings and Building other than dwellings)
- Complies with Approved Document B Building Regulations (Fire Safety) (EN13501-1)

