



em.lineTM

vertical

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em.line vertical glazing is a cost-effective multi-walled polycarbonate glazing system that provides excellent thermal value, maximum light transmission and a long lifespan.

It is particularly well suited to situations where existing glazing can't be removed or when costs would be prohibitive – usually buildings with clerestory and vertical glazing, tank rooms and façades with cladding materials such as asbestos.

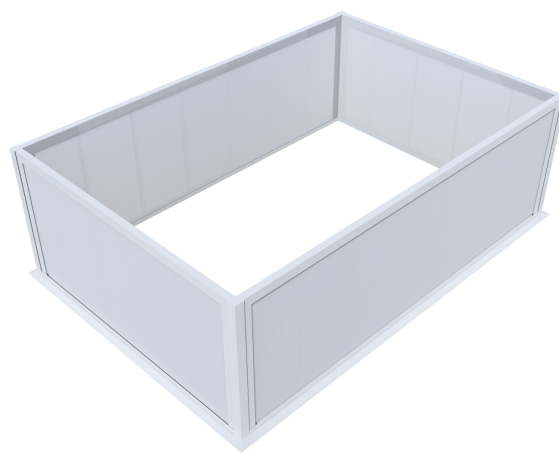
The design of em.line vertical's patented connection system makes it fast and simple to install: it fits like an oversleeve to an existing structure, seated on a new Em-Curb upstand which is waterproofed to the same specification as the flat roof. Its simplicity, rapid installation times and low-profile aesthetic makes em.line vertical a popular solution for otherwise challenging roofing projects at schools, sports halls, shopping centres, showrooms and industrial buildings.

Performance & Options

em.line vertical and its associated products have been rigorously tested for durability, safety, thermal performance and compatibility with industry-standard roofing materials.

The multiwall construction of the em.line vertical provides a consistent thermal barrier with excellent U-Values of 1.00W/m²K. The em.line vertical system includes a choice of upstands dependent on window detail and insulation requirements.

For ventilation within the upstand, there are both trickle vent or controllable rotating vent options. The frame profile is thermally broken, includes internal drainage within profile and has options to introduce opening sections.



Features & Benefits

- Eliminates the need to remove existing glazing
- Cost-effective – especially against the cost of replacement glazing
- Fast and easy to install
- Minimises time on site, disruption, health and safety risks and waste disposal costs
- Thermally efficient – and can accommodate up to 200mm of insulation
- Superior U-Values help lower heating bills and reduce carbon footprint
- Suitable for use with most roofing membranes, including single ply, torch-on felt, hot melt, asphalt, GRP and liquid systems
- Wind-resistant and impact-resistant up to sports centre test standards
- No internal access required for installation
- Maintenance-free – can be cleaned with diluted, mild detergent

Performance & Options (cont.)

The maximum length of sheet is 7m. Units are designed for vertical applications from 75° to 90°.

Available as standard in clear frost with other colours available as special order. The aluminium framework is available in polyester powder-coated white or to any RAL colour by special order. Bespoke corner flashings and wall abutment details are available in aluminium pressings to suit. Fire resistance

Low Maintenance

The em.line vertical oversleeve glazing system is designed to be maintenance-free in use.

Any cleaning should be carried out with warm soapy water – a 5% mild detergent solution is recommended – followed by rinsing with clean water. Do not use any strong detergents, chemicals or abrasives. Vents and fixings should be checked annually for debris and integrity.

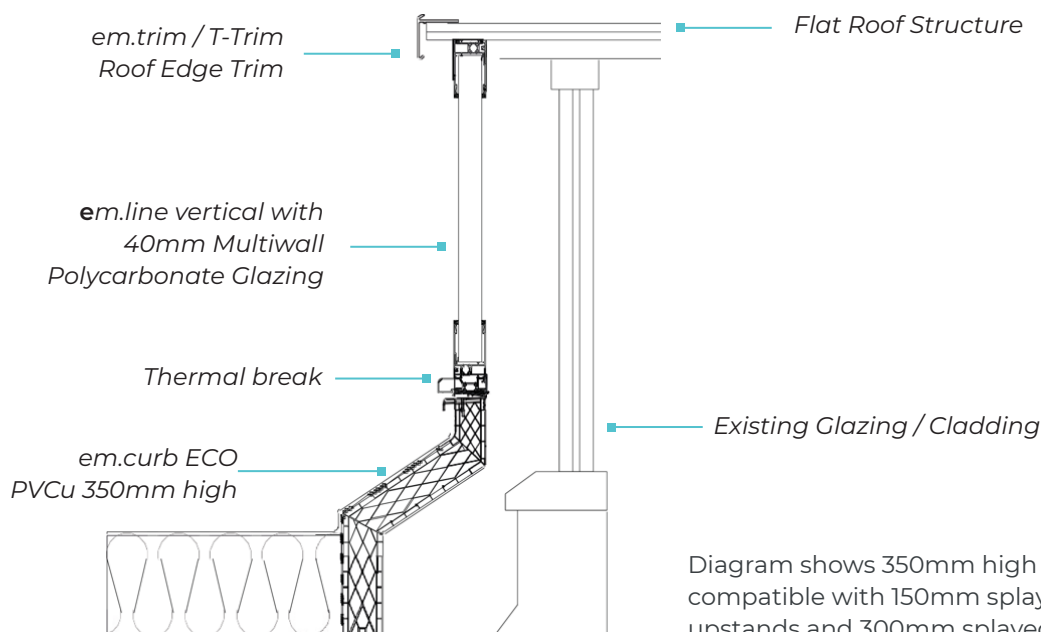


Specification

Sheet thickness	40mm
Multi-walled	9-walled
Sheet width (useful)	435mm
Sheet length	Lengths on request (up to 7m)
Free length	2.10m (>2.10m use horizontal reinforcements + clips)
Application temperature	-40°C to +120°C
Thermal characteristics (U-Value)	1.00W/m²K (calculation according to EN ISO 6946:1997)*
Light transmission	Translucent clear: 62.5%, Translucent opal: 53.85% according to EN 1013-1
Dilation coefficient	0.065mm/m·K
Air permeability	0.33m³h/m² according to UNI EN 1026:2001 Class 4 according to UNI EN 12207:2000
Water Tightness	BS EN 13051:2001 - Pass
Sheet	Water permeability class 9A (EN 12208)
Wind load	A1 (EN 12210)
Impact resistance	I 5 (14351-1)
Density	1200g/m³
Fire resistance	Self extinguishing B S1, d0
Sound insulation	17dB
Weight per m²	4.1kg

* 1.20W/m²K (test according to EN 674:1999)

Product Diagram



Quality Guaranteed

Our em.line vertical range is guaranteed for 10 years from the date of supply; we fully expect them to last for at least the lifetime of your chosen roofing material.

Full Technical Support

When you purchase the em.line vertical panel system you can expect more than just a product.

Our technical team is on hand to offer product-specific guidance, site surveys and condition reports, CAD drawings and NBS specifications for all of our products.

Nationwide Delivery

We have distribution centres around the UK to enable next-day nationwide delivery for items held in stock and a rapid turnaround for custom-built products.

Environment

Our policy

In maintaining and developing our business, products and services, we pay careful attention to the following:

- Comply immediately with all applicable laws and regulations concerning the environment.
- Develop manufacturing processes and operational procedures that minimise, as far as practically possible, pollution risks to the environment.
- Reduce waste generated by our activities and encourage energy conservation, recycling and reuse.
- Provide training and support to employees to enable them to maximise their contribution towards the protection of the environment.
- Encourage suppliers, contractors and customers to share in our aims to promote good environmental management.