

# Decolight<sup>®</sup> Vertical

## Polycarbonate Translucent Modular Panel System

### Product Description

The Decolight Vertical is a window over sleeve has been developed for vertical applications for which thermal value, light transmission, solidity and easy installation is important. Eg for translucent front finish of industrial buildings, shelters, sheds, inner tracks and sports centres but also for shed roofs, shopping centres and showrooms.

The Decolight Vertical is a multi-walled polycarbonate sheet, with co-extruded UV protection on the outside.

### Uses

- For use with liquid applied waterproofing systems
- For refurbishment projects
- Suitable for vertical use (-75° to 90°)

### Characteristics / Advantages

- Excellent U-value of 0.99W/m<sup>2</sup>K
- High impact strength tested to EN0873-1200J
- Good light transmission (LT) of 62.5%
- Fast and simple to install
- No need to remove existing glazing
- No internal access required
- Minimises building work and disruption
- Manufactured to BS ISO 9001

### Tests

#### Approvals / Standards

CE Marked  
Fire rating M 1, Class 1  
1200 Joule Certificate  
Ball testing according to DIN 18032 T3  
Puck Test (180 km/h) MPA

Roofing



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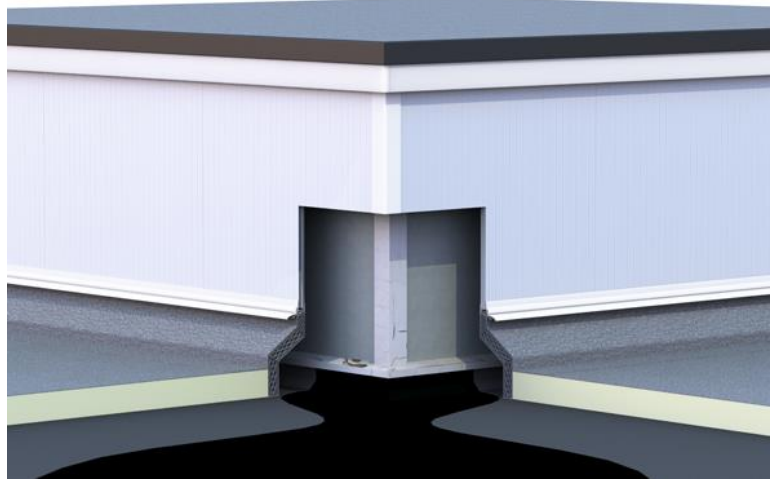
## Product Data

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### Form

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#### Appearance



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#### Sizes

Sheet thickness: 40mm  
Multi-walled: 9-walled  
Sheet width: 435mm  
Sheet length: Lengths on request (upto 7m)  
Unsupported length: 2.10m (>2.10m use horizontal reinforcements and clips)

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#### Technical Data

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##### Chemical Base

Polycarbonate, translucent, multiwall, modular clip together panel system with aluminium frame profiles

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	Light Transmission
Frost Clear	62%
Frost Opal	54%
<b>Application Temperature</b>	-40°C to +120°C

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	Thermal Transmission
<b>U-value (W/m<sup>2</sup>K)</b>	0.99W/m <sup>2</sup> K (calculation according EN ISO 6946:1997)*

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**Product Data Sheet**

Edition 08.2015

Identification no. 02 09 45 11 400 0 000007

Version no. 01

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**Dilation Coefficient**                      0.065mm/m°K

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**Air permeability**                      0.33m<sup>3</sup>/h/m<sup>2</sup> according UNI EN 1026:2001  
Class 4 according UNI EN 12207:2000

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**Water permeability**                      Frame Profile :  
Water permeability class 6A (EN 12208)

Sheet  
Water permeability class 9A (EN 12208)

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**Wind Load**                                      A1 (EN 122210)

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**Impact resistance**                      I5 (14351-1)

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**Density**    1200g/m<sup>3</sup>

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**Weight per m<sup>2</sup>**                                      4.1kg

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**Value Base**

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

**Health and Safety Information**

For information and advice on the safe handling, storage and disposal of chemical products, please refer to the most recent Material Safety Data Sheet.

**Disclaimer**

The information, and, in particular, the recommendations relating to the application and end-use of Sika Liquid Plastics products, are given in good faith based on Sika Liquid Plastics' current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika Liquid Plastics' recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika Liquid Plastics reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

**General Information****Specification assistance**

NBS is the industry standard specification system, which allows architects, specifiers and engineers to insert clauses into specifications by manufacturer and product, making the process quicker and more efficient. We are members of NBS Plus and therefore detailed up-to-date product information is readily available to create accurate specifications.

**Contact Details**

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