

# Decolight<sup>®</sup> Rooflight

## Polycarbonate Rooflights and Upstands

**Product Description** Polycarbonate Rooflights thermoformed from polycarbonate sheet and are available in single, double or triple skin construction.

**Uses**

- For use with liquid applied waterproofing systems
- For insulated and non-insulated roof designs
- For new construction and refurbishment projects

**Characteristics / Advantages**

- Single, double or triple skin construction available
- Various shapes including dome and pyramid available
- Extensive range of sizes available
- Deemed 'non-fragile' when specified with polycarbonate glazing
- Energy level compliance when tested to pr EN 1873
- Class B, when tested in accordance with ACR(M):001:2005
- Manufactured to BS ISO 9001

### Tests

#### Approvals / Standards

**BBA Certification** Certificate number 10/4715

**CE Certification** Tested in accordance with EN1873:2005

Fire Ratings	Polycarbonate	Acrylic
BS 476: Part 3	AA	DD
BS 476: Part 7	Class 1 <sup>§</sup>	-
1991 Building Regulations	Tp(a)	Tp(b)

<sup>§</sup>Class O for building regulation purposes  
*Note: Information for 3mm thick glazing unless noted otherwise*

#### "Non-Fragile" polycarbonate glazing

Decolight<sup>®</sup> rooflights have undergone large body impact testing by an independent accredited test organisation and test certificates are available to demonstrate compliance to an energy level of 1200J when tested to pr EN 1873 and achieve Class B, when tested in accordance with ACR(M):001:2005.

## Product Data

### Form

**Appearance** Available in clear, opal diffused, bronze or heat-reflect (reflecting up to 67% of the heat radiation) glazing.

Dome shaped Decolight® rooflights are available as square, rectangular or circular units.

Pyramids are available as square or rectangular units.

A limited range of triangular pyramids are available.

**Sizes** Extensive range of sizes from 400 x 400mm to 1700 x 2900mm.

Many sizes are available ex-stock for immediate delivery.

### Technical Data

**Chemical Base** Thermoformed from polycarbonate sheet and are available in single, double or triple skin construction.

All polycarbonate rooflights use a minimum 3mm thick glazing.

Light Transmission	Polycarbonate	Acrylic
Clear	86%	92%
Opal Diffused	50%	83%
Bronze	46%	55%
<b>Service Temperature</b>	-50 to +120°C	-30 to +70°C

*Note: Information for 3mm thick glazing unless noted otherwise*  
Sound insulation – please contact Sika Liquid Plastics for sound reduction levels

### Thermal transmission

Typical Values Em-Dome	U-value (W/m <sup>2</sup> K)
<b>Single Glazed</b>	5.51
<b>Double Glazed</b>	2.90
<b>Triple Glazed</b>	1.78

Measured in hot box in the vertical plane according to BS EN ISO 12567-2: 2005

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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.

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**Local Restrictions** Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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**Ecology, Health and Safety Information** A Safety Data Sheet following EC-Regulation 1907/2006, Article 31 is not needed to bring the product to the market, to transport or to use it. The product does not damage the environment when used as specified.

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**REACH** **European Community Regulation on chemicals and their safe use (REACH: EC 1907/2006)**

This product is an article within the meaning of Regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. Therefore, there are no registration requirements for substances in articles within the meaning of Article 7.1 of the Regulation.

Based on our current knowledge, this product does not contain SVHC (substances of very high concern) from the candidate list published by the European Chemicals Agency in concentrations above 0.1 % (w/w).

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**Transportation Class** The product is not classified as hazardous good for transport.

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**Disposal** Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

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**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.

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## General Information

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**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.

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Roofing



**Product Data Sheet**

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