



EN 13165:2012

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0751/1104

## DECLARATION OF PERFORMANCE

**Decotherm<sup>®</sup>**

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<b>1. Product Type:</b> Unique identification code of the product-type:	<b>Decotherm<sup>®</sup></b>
<b>2. Type</b> batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):	<b>Decotherm<sup>®</sup></b> ( Batch No See packaging)
<b>3. Intended use</b> or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:	<b>Thermal insulation for buildings. Factory made rigid polyurethane foam (PU) products.</b>
<b>4. Name, registered trade name</b> or registered trade mark and contact address of the manufacturer as required under Article 11(5):	<b>Decotherm<sup>®</sup></b> <b>Sika Limited</b> <b>Sika Liquid Plastics</b> <b>Sika House</b> <b>Miller Street</b> <b>Preston</b> <b>PR1 1EA</b> <b>United Kingdom</b>
<b>5. Contact Address:</b> Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):	<b>Not Relevant (see 4)</b>
<b>6. AVCP:</b> System or systems of assessment and verification of constancy of performance (AVCP) of the construction product as set out in CPR, Annex V:	<b>AVCP 3</b>
<b>7. Notified body (hEN):</b> In case of the declaration of performance (DoP) concerning a construction product covered by a harmonised standard:	<b>EN 13165:2012</b> <b>Notified testing laboratory No. 1104 and 0751 carried out determination of the product type on the basis of type testing (based on sampling carried out by the manufacturer), type calculation, tabulated values or descriptive documentation of the product under system AVCP 3</b>

Declaration of Performance



<b>8. Notified body (ETA):</b> In case of the declaration of performance concerning a construction product for which a European Technical Assessment (ETA) has been issued:	<b>Not relevant (see 7)</b>
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**9. Declared performance**

Essential characteristics	Performance	Test Standard	Harmonised technical specification																						
Reaction to fire	Euroclass E	EN 13501-1	EN 13165:2012																						
Thermal Resistance $R_D ((m^2.K)/W)$	<table style="border: none;"> <tr><td><math>d_N</math> 30mm</td><td>1.15</td></tr> <tr><td><math>d_N</math> 40mm</td><td>1.50</td></tr> <tr><td><math>d_N</math> 50mm</td><td>1.90</td></tr> <tr><td><math>d_N</math> 60mm</td><td>2.30</td></tr> <tr><td><math>d_N</math> 70mm</td><td>2.65</td></tr> <tr><td><math>d_N</math> 80mm</td><td>3.20</td></tr> <tr><td><math>d_N</math> 90mm</td><td>3.60</td></tr> <tr><td><math>d_N</math> 100mm</td><td>4.00</td></tr> <tr><td><math>d_N</math> 110mm</td><td>4.40</td></tr> <tr><td><math>d_N</math> 120mm</td><td>5.00</td></tr> <tr><td><math>d_N</math> 130mm</td><td>5.40</td></tr> </table>	$d_N$ 30mm		1.15	$d_N$ 40mm	1.50	$d_N$ 50mm	1.90	$d_N$ 60mm	2.30	$d_N$ 70mm	2.65	$d_N$ 80mm	3.20	$d_N$ 90mm	3.60	$d_N$ 100mm	4.00	$d_N$ 110mm	4.40	$d_N$ 120mm	5.00	$d_N$ 130mm	5.40	EN 12667
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Thermal Conductivity $\lambda_D (W/(m.K))$	<table style="border: none;"> <tr><td><math>d &lt; 80mm</math>; 0.026</td></tr> <tr><td><math>80mm \leq d &lt; 120mm</math>; 0.025</td></tr> <tr><td><math>d \geq 120mm</math>; 0.024</td></tr> </table>	$d < 80mm$ ; 0.026	$80mm \leq d < 120mm$ ; 0.025	$d \geq 120mm$ ; 0.024	EN 12939																				
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Thickness tolerance	<table style="border: none;"> <tr><td><math>d_N &lt; 50mm</math></td><td>T3; <math>\pm 2mm</math></td></tr> <tr><td><math>d_N</math> 50mm-75mm</td><td>T2; <math>\pm 3mm</math></td></tr> <tr><td><math>d_N &gt; 75mm</math></td><td>T2; <math>\pm 5, -3mm</math></td></tr> </table>	$d_N < 50mm$	T3; $\pm 2mm$	$d_N$ 50mm-75mm	T2; $\pm 3mm$	$d_N > 75mm$	T2; $\pm 5, -3mm$	EN 823																	
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Compressive Strength	D 30 to 160mm (kPa) CS(10/Y)150	EN826																							
Tensile Strength	Perpendicular to faces (kPa) TR80	EN1607																							
Dimensional stability under specified temperature and humidity conditions	48h, 70°C, 90% R.H.	DS(70,90)3	EN 1604																						
	48h, -20°C	DS(-20,-)1																							
Deformation under specified compressive load and temperature conditions	40kPa, 70°C, 168h DLT(2)5	EN 1605																							



## 10. Declaration

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance (DoP) is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:



R&D Manager



Technical Manager

06, 2013

## Ecology, Health and Safety Information (REACH)

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet (MSDS) containing physical, ecological, toxicological and other safety related data.

## Further Information

**Contact: Sika Liquid Plastics**  
**Tel: 01772 259781**  
**Fax: 01772 255670**  
**Email: [liquidplastics@uk.sika.com](mailto:liquidplastics@uk.sika.com)**  
**[www.liquidplastics.co.uk](http://www.liquidplastics.co.uk)**

### Legal note:

This information is given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's 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 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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Certificate No. EMS 588023



Certificate No. FM 588020