



Building Solutions

## DECLARATION OF PERFORMANCE

N° 00239686

- |  |   |
|--|---|
| 1. Unique identification code of the product-type:   | <b>ROOFMATE™ TR-SL-X</b>  |
| 2. Type, batch or serial number:   | <b>11014740 Thickness 50 mm<br/>Lot N° 2G01810177</b>                 |
| 3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification as foreseen by the manufacturer: | <b>Thermal Insulation for Buildings (ThIB)<br/>XPS/EN13164 - 2012</b> |
| 4. Name and contact address of the manufacturer  | <b>Dow Europe GmbH<br/>Bachtobelstrasse 3 CH-8810 Horgen</b>          |
| 6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:                         | <b>AVCP - System 3</b>  |
| 7. Name and identification number of notified body   | <b>FIW (N° 751); CSTB (N° 679)</b>                                    |

9. Declared Performance - Essential characteristic - (EN13164-ZA1)

<b>d<sub>N</sub> Thickness</b>	<b>[mm] ⇒</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>
<b>[mm] ↓</b>	<b>declared thermal conductivity λ<sub>D</sub> [W/m.K]</b>	<b>Thermal resistance R<sub>D</sub> [m<sup>2</sup>.K/W]</b>									
<b>30</b>	0,031	0,95	1,00	1,00	1,05	1,05	1,10	1,15	1,15	1,20	1,25
<b>40</b>	0,031	1,30	1,30	1,35	1,35	1,40	1,45	1,45	1,50	1,50	1,55
<b>50</b>	0,031	<b>1,60</b>	1,60	1,65	1,70	1,70	1,75	1,80	1,80	1,85	1,90
<b>60</b>	0,031	1,95	1,95	2,00	2,00	2,05	2,05	2,10	2,15	2,15	2,20
<b>70</b>	0,031	2,25	2,25	2,30	2,35	2,35	2,40	2,45	2,45	2,50	2,50
<b>80</b>	0,031	2,50	2,60	2,60	2,65	2,70	2,70	2,75	2,80	2,80	2,85
<b>90</b>	0,032	2,80	2,80	2,85	2,90	2,90	2,95	3,00	3,00	3,05	3,05
<b>100</b>	0,032	3,10	3,15	3,15	3,20	3,25	3,25	3,30	3,30	3,35	3,40
<b>110</b>	0,032	3,40	3,45	3,50	3,50	3,55	3,55	3,60	3,65	3,65	3,70
<b>120</b>	0,032	3,75	3,75	3,80	3,80	3,85	3,90	3,90	3,95	4,00	4,00
<b>130</b>	0,032	4,05	4,05	4,10	4,15	4,15	4,20	4,25	4,25	4,30	4,30
<b>140</b>	0,032	4,35	4,40	4,40	4,45	4,50	4,50	4,55	4,55	4,60	4,65
<b>150</b>	0,032										
<b>160</b>	0,032										
<b>170</b>	0,032										
<b>180</b>	0,032										
<b>190</b>	0,032										
<b>200</b>	0,032										
<b>210</b>	0,032										

Dimensional tolerances		<b>T</b>	<b>1</b>
Compressive strength		<b>CS(10\Y)</b>	<b>300</b>
Tensile strength perpendicular to faces		<b>TR</b>	<b>NPD</b>
Shear strength		<b>SS</b>	<b>NPD</b>
Reaction to fire		<b>Euro-Class</b>	<b>E</b>
Continuous glowing combustion		-	-
Water permeability	Long term water absorption by total immersion	<b>WL(T)</b>	<b>0,7</b>
	Long term water absorption by diffusion	<b>WD(V)</b>	<b>2</b>
Water vapor permeability	Water vapor diffusion resistance factor	<b>MU</b>	<b>NPD</b>
Durability of compressive strength against ageing/degradation	Compressive creep	<b>CC (2/1,5/50)</b>	<b>90</b>
Durability of reaction to fire against heat, weathering, ageing/degradation	No change in Reaction to fire properties for extruded polystyrene foam.		
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance and thermal conductivity	<b>see above R<sub>d</sub> and λ<sub>D</sub></b>	
	Freeze/thaw resistance after long term water absorption by diffusion	<b>FTCD</b>	<b>1</b>
	Freeze/thaw resistance after long term water absorption by total immersion	<b>FTCI</b>	<b>NPD</b>
	Dimensional stability under specified temperature and humidity conditions	<b>DS</b>	<b>(70,90)</b>
	Deformation under specified compressive load and temperature conditions	<b>DLT</b>	<b>(2)5</b>
Dangerous substances	Release of dangerous substances to the indoor environment	-	-

«NPD» (No Performance Determined)

10. 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 is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by

**William O. Roderick** - Quality Director - Coating materials and Building & Construction

Horgen - CH



Date of issue: **1<sup>st</sup> July 2013**

Print Date: **11<sup>st</sup> February 2015**

This product contains Hexabromocyclododecane (declaration according to CPR requirement Article 6 Paragraph 5) Numbering according to CPR (Regulation EU No 305/2011) Annex III - only relevant items are listed.

Laufzeitfehler in Microsoft VBScript Fehler "800a0009"

Index außerhalb des gültigen Bereichs: 'i'

/includes/functions.asp, line 797