



Building Solutions

DECLARATION OF PERFORMANCE

N° 00239693

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| 1. Unique identification code of the product-type: | STYROFOAM™ IB-TR-X |
| 2. Type, batch or serial number: | 11015337 Thickness 50 mm
Lot N° 2G01810177 |
| 3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification as foreseen by the manufacturer: | Thermal Insulation for Buildings (ThIB)
XPS/EN13164 - 2012 |
| 4. Name and contact address of the manufacturer | Dow Europe GmbH
Bachtobelstrasse 3 CH-8810 Horgen |
| 6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: | AVCP - System 3 |
| 7. Name and identification number of notified body | FIW (N° 751); CSTB (N° 679) |

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

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

Dimensional tolerances		T	2
Compressive strength		CS(10\Y)	200
Tensile strength perpendicular to faces		TR	200
Shear strength		SS	NPD
Reaction to fire		Euro-Class	E
Continuous glowing combustion		-	-
Water permeability	Long term water absorption by total immersion	WL(T)	1,5
	Long term water absorption by diffusion	WD(V)	NPD
Water vapor permeability	Water vapor diffusion resistance factor	MU	NPD
Durability of compressive strength against ageing/degradation	Compressive creep	CC (2/1,5/50)	NPD
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	see above R_d and λ_D	
	Freeze/thaw resistance after long term water absorption by diffusion	FTCD	NPD
	Freeze/thaw resistance after long term water absorption by total immersion	FTCI	NPD
	Dimensional stability under specified temperature and humidity conditions	DS	(70,90)
	Deformation under specified compressive load and temperature conditions	DLT	NPD
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: **1st July 2013**

Print Date: **13rd 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