



No. B-005-CPR-03/C-004-CPR-10

Declaration of Performance

- 1. Type**
Expanded Polystyrene
- 2. Identification**
Sundolitt MX250
- 3. Intended use**
Factory made expanded polystyrene (EPS) products - Thermal insulation for buildings.
- 4. Manufacturers name and address**
Sundolitt as
Krog Skolevej 3
7190 Billund

E-mail: sundolitt.kundeservice@sundolitt.com
- 5. Name and address on authorised representative**
Not relevant.
- 6. System of assessment and verification of constancy of performance (AVCP)**
AVCP system 3
- 7. Notified body**
Teknologisk Institut – identification number 1235.

ITT test for B-005-CPR-03: Thermal conductivity [Report 99160], Compressive strength [Report SA 3/211/080/1], Wateruptake, long term [Bundled Report 03070wl/t].

ITT test for C-004-CPR-10: Thermal conductivity [Report 07068-65], Compressive strength [Report 0310/409918], Wateruptake, long term [Bundled Report 0310/409918].

System
System 3

8. Declared Performance

Essential characteristic	Performance	Harmonised technical specification
Thickness	Class T(2)	DS/EN 13 163
Length	Class L(3)	
Width	Class W(3)	
Squareness	Class S(5)	
Flatness	Class P(30)	
Reaction to fire	NPD (former Class F)	
Thermal conductivity	0,033 W/m2K	

Thermal Resistance	Thickness	Thermal Resistance		
	50	1,50	m ² K/W	
	100	3,00	m ² K/W	
	150	4,50	m ² K/W	
	200	6,05	m ² K/W	
	250	7,55	m ² K/W	
Compressive strength, short term (10%)	250 kPa			
Wateruptake long term	WL(T)5			
Glowing combustion	NPD			
Release of dangerous substances	No testform available.			
Acoustics	NPD			
Deformation under specified compressive load	NPD			
Tensile strength	NPD			
Durability of reaction to fire and thermal conductivity against heat, weathering, ageing/degradation	No change over time and NPD			
Durability of compressive strength against ageing/degradation	NPD			
Compressiv strength long term (2%)	75 kPa		acc. annex F.2*	
Watervapour transmission μ	40 til 100		acc.annex F.4*	
Watervapour permeability δ mg/(Pa.h.m)	0,006 til 0,015		acc. annex F.4*	
Bending strength	350 kPa		acc. annex C*	
Shear strength	170 kPa		acc. annex F.3*	

*With reference to DS/EN 13163:2012+A2:2016.

9. The performance for Sundolitt MX250 is in conformity with the declared performance in point 8 – Declared performance.

This declaration is issued under the sole responsibility of Sundolitt as, Krog Skolevej 3, 7190 Billund.

Signed for and on behalf of Sundolitt as:



Claus Jørgensen, Techn. Chief
Billund, June the 1st 2017

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