



No. B-002-CPR-03/C-002-CPR-08

Declaration of Performance

- 1. Type**
Expanded Polystyrene
- 2. Identification**
Sundolitt S80
- 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-002-CPR-03: Thermal conductivity [Report 2100], Compressive strength [Report 366445], Wateruptake, long term [Bundled Report 1001892-03-03 and 03070WL/t].

ITT test for C-002-CPR-08: Thermal conductivity [Report 7022-25], Compressive strength [Report 966445], Wateruptake, long term [Bundled Report 978803 and 03070WL/t].

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	0,038 W/m2K	

Thermal Resistance	Thickness	Thermal Resistance
	50	1,30 m ² K/W
	100	2,60 m ² K/W
	150	3,90 m ² K/W
	200	5,25 m ² K/W
	250	6,55 m ² K/W
Compressive strength, short term (10%)	80 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%)	24 kPa	acc. annex F.2*
Watervapour transmission μ	20 til 40	acc.annex F.4*
Watervapour permeability δ mg/(Pa.h.m)	0,015 til 0,030	acc. annex F.4*
Bending strength	125 kPa	acc. annex C*
Shear strength	60 kPa	acc. annex F.3*

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

9. The performance for Sundolitt S80 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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