No. A-001-CPR-12

Declaration of Performance

1. **Type**
   Expanded Polystyrene

2. **Identification**
   Sundolitt Climate C60

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 authorized 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: Thermal conductivity [Report 11100-03], Compressive strength [Report 0310/475591], Wateruptake, long term [Bounded Report 0310/461565].

   System
   System 3

8. **Declared Performance**

Essential characteristic		**Performance**	**Note**
Tolerances:			DS/EN13163:2012+A2:2016
Thickness		Class T(2)	
Length		Class L(3)	
Width		Class W(3)	
Squarness		Class S(5)	
Flatness		Class P(30)	

Thermal resistance	Thermal resistance (R_D)	Thickness (D_N and T) Resistance 50 mm 1,50 m^2K/W 100 mm 3,00 m^2K/W 150 mm 4,50 m^2K/W 200 mm 6,05 m^2K/W 250 mm 7,55 m^2K/W	
	Thermal conductivitet (λ_D)	0,033 W/mK	
Reaction to fire	Reaction to fire	NPD (Euroclass F)	
Durability of reaction to fire against heat, weathering and ageing/degradation	Durability characteristics	No change over time	
Durability of thermal conductivity against heat, weathering and ageing/degradation	Thermal resistance and conductivity	No change over time	
	Durability characteristica	No use. NPD	
Compressive strength	Compressive strength, short term (10% def.) (CS(10)	60 kPa	
Shear- and Bending strength	Bending strength (BS)	100 kPa	
	Shear strength (TR)	50 kPa	acc. Annex F.3*
Durability of compressive strength ageing and degradation	Compressive creep long term (2%) (CC)	18 kPa	acc. Annex F.2*
	Freeze-thaw resistance FTCD/FTCI	No use. NPD	
	Long term thickness reduction (CP)	No use. NPD	
Wateruptake long term	Long term waterabsorption by immersion (WL(T))	5 vol.%	
	Long term water absorption by diffusion (WD(V))	No use. NPD	
Watervapor permeability	Watervapor transmission/	μ 20 to 40 δ 0,015 to 0,030	acc. Annex F.4*

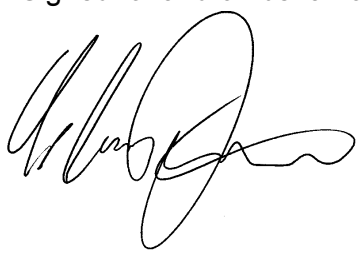
	permeability (MU or Z)	mg/(Pa.h.m)	
Impact noise transmission (floors)	Dynamic stiffness	No use. NPD (SD)	
	Thickness d_L	No use. NPD Class T	
	Compressability	No use. NPD (CP)	
Continuous glowing combustion		No use. NPD	
Release of dangerous substances to indoor environment		NPD. European test methods under development.	

*Reference to DS/EN 13163:2012+A2:2016. NPD = No Performance Determined

9. The performance for Sundolitt Climate C60 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, December 31st 2020

Sundolitt as
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