Declaration of performance

No.: sa-0004-df70-pk-a1-171230

simply better insulation SAGER

According to Article 4 of the Building Products Directive (EU Building PVO) 305/2011

1	Unique identification code of the product-type	Saglan DF 70, insulation slab (with + without facing[1)]) hydrophobic
2	Type, batch or serial number or any other element	See product label
3	Intended use or uses of the construction product	Thermal insulation for buildings (ThIB)
4	Manufacturer	Sager AG, Dornhügelstrasse 10, CH-5724 Dürrenäsch
5	Authorised representative	Not applicable
6	System or systems as set out in CPR, Annex V.	System 3; System 1
7	The notified body, which issued a certificate of consistancy of performance	FIW München (identification number 0751)

8 Declared performance

Essential characteristics	Performance			Harmonised standard
Thermal resistance	Thermal resistance R_D	m^2K/W	(d)	EN 13162:2012 +A1:2015 NPD = No Performance Determined
	thermal conductivity λ_D	W/mK	0.035	
	thickness d_N; thickness tolerance	mm	40-220, T5	
Reaction to fire	Reaction to fire	A1		
Durability of reaction to fire against heat, weathering, ageing/degradation	Durability characteristics	A1	(b)	
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance	R_D	(c)	
	Thermal conductivity	λ_D	(c)	
	dimensional stability	DS (70,-)	≤1%	
Compressive strength	Compressive strength	CS 10	≥15 kPa, d=≤80 mm ≥20 kPa, d=≥100 mm	
	Point load		NPD	
Tensile/flexural strength	Tensile strength perpendicular to the plate plane		NPD	
Durability of reaction to fire against heat, weathering, ageing/degradation	Compressive creep	(b)	NPD	
water permeability	short-term water absoption	WS	≤1.0kg/m2	
Water vapour permeability	water vapor diffusion	MU	1	
Impact sound transmission (Floors)	Dynamic stiffness		NPD	
	Thickness d_L		NPD	
	Compressibility		NPD	
	Air flow resistivity		NPD	
Acoustic absorption index	Sound absorption		NPD	
Direct airborne sound insulation index	Air flow resistivity	Afr.	≥17kPa s/m2	
Release of dangerous substances, emission to the interior of the building	Release of dangerous substances	(a)	NPD	
Continous glowing combustion	Continous glowing combustion	(a)	NPD	

a) A European test method is under development and the standard will be amended when this is available.

b) Durability: The fire performance and thermal conductivity of mineral wool does not deteriorate with time. The Euroclass classification of the product is related to the organic content, which cannot increase with time.

c) The thermal conductivity of mineral wool does not deteriorate with time. Experience has shown that fibre structure to be stable and the porosity contains no other gases than atmospheric air.

d)

Thickness in mm	40	50	60	70	80	90	100	110	120	140	150	160	180
Declared thermal resistance R_D	1.10	1.40	1.70	2.00	2.25	2.55	2.85	3.10	3.40	4.00	4.25	4.55	5.10

Thickness in mm	200	220
Declared thermal resistance R_D	5.70	6.25

1) Possible one-sided or two-sided coatings:
Vn: Glass fibre fleece natural Vs: Glass fibre fleece black Vgl: Glass fibre fleece yellow, longitudinal reinforced
Vsl: Glass fibre fleece black longitudinal reinforced G: Glass fabric black Vg: Glass fibre fleece yellow

9 The performances of the products identified in points 1 and 2 are in conformity with the declared performances in point 8.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

10 Signed in the name of the manufacturer from Marc Lüdi, Managing director

Place and date: Dürrenäsch, 30. december 2017 Signature: