

# Declaration of Performance

No. CZ0002-001 (eng)

1	Unique identification code of the product-type	I08 02
	Product/s:	Orstech 45, Orstech 45 NT, Orstech 45 H
		TECH Slab 2.1, TECH Slab 2.1 V1, TECH Slab 2.1 Alu2
2	Intended use or uses:	Thermal Insulation of Building Equipment and Industrial Installations (ThIBEI)
3	Manufacturer:	Saint - Gobain Construction Product CZ a.s. Smrčkova 2485/4, 180 00 Prague 8 - Libeň Czech Republic IČO: 25029673, DIČ: CZ 25029673
4	Authorised representative:	not relevant
5	Systém/s of AVCP:	System 1 System 3
6	Notified body/ies:	1023 Institut pro testování a certifikaci a.s.
	Harmonised standard:	EN 14303:2009+A1:2013

Essential characteristics	Performance				Abbreviation		Unit		Declared performance/s:	
Reaction to fire	Reaction to fire				RtF		Euroclass		A1, A2-s1,d0 (Orstech 45 H)	
Acoustic absorption index	Sound absorption				-		-		NPD	
Thermal resistance	Thermal resistance	T °C	50°C	100°C	150°C	200°C	250°C	300°C	400°C	500°C
		λ <sub>D</sub> (W/m²K)	0,042	0,053	0,066	0,082	0,100	0,124	0,170	NPD
	Thickness				d		mm		40-100	
	Tolerances				T				T4	
Water permeability	Water absorption				WS		kg/m²		WS1	
Water vapour transmission	Water vapour diffusion resistance				s <sub>d</sub>		m		NPD	
Rate of release of corrosive substances	Trace amounts of soluble ions and pH value				CL		mg/kg		10	
	Realease of Dangerous Substances				-		-		NPD	
Continous glowing combustion	Continous glowing combustion				-		-		NPD	
Durability of against reaction to fire ageing/degradation	Durability Characteristics				RtF		Euroclass		A1, A2-s1,d0 (Orstech 45 H)	
Durability of reaction to fire against ageing/degradation and against high temperature	Durability Characteristics				-		-		NPD	
Durability of thermal resistance against ageing/degradation and against high temperature	Maximum Service Temperature				ST(+)		°C		400	
Durability of thermal resistance against heat, weathering, ageing/degradation	Dimensions and tolerances				T		-		T4	
	Dimensional stability, or				DS(TH)		-		NPD	
	Maximum Service Temperature				ST(+)		°C		400	

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued by the Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Jiří Šulák  
Name  
Plant director  
Function

  
Signature

1.9.2023  
Date  
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Place

  
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