



DEKLARACJA WŁAŚCIWOŚCI UŻYTKOWYCH

Nr 01852

1. Unique identification code of the product-type: Ceresit Ceretherm Ceramic EPS
2. Intended use/es: This ETICS is intended to be used as external insulation applied on the walls of buildings. The walls are made of masonry (bricks, blocks, stones, etc.) or concrete (cast on site or as prefabricated panels).
3. Manufacturer: Henkel Polska Operations Sp. z o.o., ul. Domaniewska 41, 02-672 Warszawa
4. Authorized representative: Not relevant
5. System/s of assessment and verification of constancy of performance: System 2+
- 6a. Harmonized standard/s: Not relevant
- 6b. European Assessment Document: EAD 040287-00-0404
- European Technical Assessment: ETA-23/0066 of 31/07/2023
- Technical Assessment Body: Instytut Techniki Budowlanej
- Notified body/ies: Instytut Techniki Budowlanej, nr 1488, Zakład Certyfikacji 1488-CPR-0700/Z
7. Declared performance/s:

No	Essential characteristic	Assessment method
Safety in case of fire (BWR 2)		
1.	Reaction to fire Class according to EN 13501-1	ETICS CERESIT CERETHERM CERAMIC EPS: Base adhesives: Ceresit CT 80, CT 83, EPS panels: Class E according to EN 13501-1, Glass fibre meshes: Ceresit CT 325, Base coats: Ceresit CT 80, CT 85, Adhesive for tiles: Ceresit CM 16, CM 16 PRO, CM 17 PRO, CM 22, Cladding tiles, Grouts: Ceresit CE 40, CE 43, CT 32 B – s1, d0
2.	Facade fire performance	No performance assessed
Hygiene, health and the environment⁶ (BWR 3)		
3.	Water absorption of the reinforced base coat.	Wodochłonność warstwy zbrojonej
		After 3 minutes (kg/m ²)
		After 1 hour (kg/m ²)
		After 24 hours (kg/m ²)
		Ceresit CT 80 0,04 0,06 0,31
		Ceresit CT 85 0,02 0,02 0,16
		Water absorption of the ETICS
		After 3 minutes (kg/m ²)
		After 1 hour (kg/m ²)
		After 24 hours (kg/m ²)
4.	Water vapour permeability (resistance to water vapour diffusion)	Components
		Equivalent air thickness Sd,m
		Water vapor diffusion resistance Z _v (m ² * s * Pa)/kg
		Base coat Ceresit CT 83 0,04 2,09 * 10 ⁹
		Base coat Ceresit CT 80 (with reinforcement) 0,06 3,13 * 10 ⁹
		Base coat Ceresit CT 85 (with reinforcement) 0,06 2,70 * 10 ⁹
		Cladding adhesive Ceresit CM 17 PRO 0,07 3,21 * 10 ⁹
		Grout Ceresit CE 40 0,10 5,05 * 10 ⁹
		Grout Ceresit CE 43 0,08 4,10 * 10 ⁹
		Grout Ceresit CT 32 0,05 2,42 * 10 ⁹
5.	Accelerated ageing behavior	ETICS with maximum diffusion resistance
		EPS Thickness, mm
		Water vapor diffusion resistance Z _v (m ² * s * Pa)/kg
		ETICS configuration:
		Base adhesive Ceresit CT 80 50 9,96 * 10 ¹¹
		Base adhesive Ceresit CT 80 (with reinforcement) 100 1,01 * 10 ¹²
		Cladding adhesive Ceresit CM 17 PRO, Grout Ceresit CE 40 (max. width 10 mm) 150 1,03 * 10 ¹²
		Cladding tiles natural stone tiles – granite (max. thickness 20 mm) (percentage of granite tiles is 98% percentage of grout is 2%) 200 1,04 * 10 ¹²
		250 1,06 * 10 ¹²
		300 1,07 * 10 ¹²
6.	Accelerated ageing behaviour Combined hygrothermal and freeze-thaw cycles.	Accelerated ageing behaviour Combined hygrothermal and freeze-thaw cycles.
		The ETICS is assessed resistant to combined hygrothermal and freeze-thaw cycles on the rig. ETICS passed the test without defects. Resistant to combined hygrothermal and freeze-thaw cycles.
		Bond strength after combined hygrothermal and freeze-thaw cycles on the rig.
		Insulation product
		ETICS configuration
		Rupture type
		Bond strength after combined hygrothermal and freeze-thaw cycles, MPa
		Ratio: Bond strength after combined hygrothermal and freeze-thaw cycles / bond strength in dry conditions
		Mean value
		Min value
7.	Declared performance/s:	EPS panels
		Base coat Ceresit CT 80 + cladding adhesive + Cladding tiles indicated hereafter + grout
		Ceramic tiles
		Natural stone tiles – granite
8.	Declared performance/s:	Failure in the insulation product
		0,15
		0,14
		1,66
9.	Declared performance/s:	Natural stone tiles – granite
		0,16
		0,15
		1,77
10.	Declared performance/s:	Natural stone tiles – sandstone
		0,14
		0,13
		1,55
11.	Declared performance/s:	EPS panels
		Base coat
		Ceramic tiles
		Failure in the insulation product
12.	Declared performance/s:	0,15
		0,14
		1,25

			Ceresit CT 85 + cladding adhesive + Cladding tiles indicated hereafter + grout	Natural stone tiles - granite	Failure in the insulation product	0,15	0,14	1,25		
				Natural stone tiles - sandstone	Failure in the insulation product	0,15	0,13	1,25		
Safety and accessibility in use (BWR 4)										
6.	Wind load resistance	No relevant								
7.	Impact resistance		Impact resistance							
			Base coat Ceresit CT 80 + cladding adhesive + Cladding tiles indicated hereafter + grout			Base coat Ceresit CT 85 + cladding adhesive + Cladding tiles indicated hereafter + grout				
			Ceramic tiles	Natural stone tiles - granite	Natural stone tiles - sandstone	Ceramic tiles	Natural stone tiles - granite	Natural stone tiles - sandstone		
		H1 (1 J) H2 (3 J) H3 (10 J)	Hard body impact							
			-	-	-	-	-	-		
			Skin not deteriorated	Skin not deteriorated	Skin not deteriorated	Skin not deteriorated	Skin not deteriorated	Skin not deteriorated		
		S1 (10 J) S 3 (300 J) S2 (60 J) S 4 (400 J)	Soft body impact							
			-	-	-	-	-	-		
			Skin not deteriorated	Skin not deteriorated	Skin not deteriorated	Skin not deteriorated	Skin not deteriorated	Skin not deteriorated		
			Use Category							
			Category I	Category I	Category I	Category I	Category I	Category I		
			Category I; a zone readily accessible at ground level to the public and vulnerable to hard body impacts but not subjected to abnormally rough use..							
8.	Bond strength	Bond strength between the base adhesive and the substrate.								
		Substrate	Base adhesive	Conditioning before the test		Rupture type	Bond strength (kPa)			
		Concrete	Ceresit CT 80	Initial state (dry conditions)	100 % cohesive failure in the base adhesive	≥ 250				
				2 days immersion in water and 2 hours drying		≥ 80				
				2 days immersion in water and min 7 days drying		≥ 250				
		Concrete	Ceresit CT 83	Initial state (dry conditions)	100 % cohesive failure in the base adhesive	≥ 250				
				2 days immersion in water and 2 hours drying		≥ 80				
				2 days immersion in water and min 7 days drying		≥ 250				
		Bond strength between the adhesive and the insulation product								
		Insulation product	adhesive	Conditioning before the test		Rupture type	Bond strength (kPa)			
		EPS panels	Ceresit CT 80	Initial state (dry conditions)	100 % adhesive failure in the insulation product	≥ 80				
				2 days immersion in water and 2 hours drying	Adhesive / cohesive failure in the insulation product	≥ 80				
				2 days immersion in water and min 7 days drying	100 % cohesive failure in the insulation product	≥ 80				
		EPS panels	Ceresit CT 83	Initial state (dry conditions)	100 % adhesive failure in the insulation product	≥ 80				
				2 days immersion in water and 2 hours drying		≥ 80				
				2 days immersion in water and min 7 days drying	100 % cohesive failure in the insulation product	≥ 80				
		EPS panels	Ceresit CT 85	Initial state (dry conditions)	Adhesive / cohesive failure in the insulation product	≥ 80				
				2 days immersion in water and 2 hours drying	Adhesive / cohesive failure in the insulation product	≥ 80				
				2 days immersion in water and min 7 days drying	100 % cohesive failure in the insulation product	≥ 80				
		Bond strength between the external layers (skin and reinforced base coat) and the insulation product								
		Insulation product	External layers			Conditioning before the test	Rupture type	Bond strength (kPa)		
		EPS panels	Base coat Ceresit CT 80 + cladding adhesive + Cladding tiles indicated hereafter + grout	Ceramic tiles Natural stone tiles - granite Ceramic tiles	Initial state (dry conditions)	Adhesive / cohesive failure in the insulation product	Min.			
					2 days immersion in water and 2 hours drying		70			
					2 days immersion in water and min 7 days drying	100 % adhesive failure in the insulation product	80			
				Natural stone tiles - granite Ceramic tiles	Initial state (dry conditions)	100 % cohesive failure in the insulation product	100			
					Initial state (dry conditions)	Adhesive / cohesive failure in the insulation product	90			
					2 days immersion in water and 2 hours drying	100 % adhesive failure in the insulation product	80			
					2 days immersion in water and min 7 days drying	100 % cohesive failure in the insulation product	110			
				Natural stone tiles - granite	Initial state (dry conditions)	Adhesive / cohesive failure in the insulation product	70			
					2 days immersion in water and 2 hours drying	100 % adhesive failure in the insulation product	80			
					2 days immersion in water and min 7 days drying	100 % cohesive failure in the insulation product	80			
				Insulation product	External layers			Conditioning before the test	Rupture type	Bond strength (kPa)
				Plyty EPS	Base coat Ceresit CT 85 + cladding adhesive + Cladding tiles indicated hereafter + grout	Ceramic tiles Natural stone tiles - granite	Initial state (dry conditions)	Adhesive / cohesive failure in the insulation product	Min.	
		2 days immersion in water and 2 hours drying	100 % adhesive failure in the insulation product				100			
		2 days immersion in water and min 7 days drying	100 % cohesive failure in the insulation product				110			
		Ceramic tiles Natural stone tiles - granite	Initial state (dry conditions)			Adhesive / cohesive failure in the insulation product	110			
			2 days immersion in water and 2 hours drying			100 % adhesive failure in the insulation product	90			
			2 days immersion in water and min 7 days drying			100 % cohesive failure in the insulation product	90			

					2 days immersion in water and min 7 days drying	100 % cohesive failure in the insulation product	110
				Ceramic tiles	Initial state (dry conditions)	Adhesive / cohesive failure in the insulation product	110
					2 days immersion in water and 2 hours drying	100 % adhesive failure in the insulation product	80
					2 days immersion in water and min 7 days drying	100 % cohesive failure in the insulation product	110
9	Tensile strength of thermal insulation panel.			No performance assessed (See annex B for thermal insulation product characteristics – in case of dry conditions)			
10	Shear strength of the thermal insulation panel.						
11	Dead load behaviour			No performance assessed			
12	Pull-through resistance			Not relevant.			
13	Pull-out resistance (foam block test)			Not relevant.			
Protection against noise (BWR 5)							
14	Improvement of airborne sound insulation			No performance assessed			
Energy econom and heat retention (BWR 6)							
15	Thermal conductivity and thermal resistance.			See Annex A7.			

7. Appropriate Technical Documentation
and/or Specific Technical Documentation:

Not relevant

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

Signed for and on behalf of the manufacturer by:

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Stąporków, 10.10.2023

(miejsce i data wydania)

