

DECLARATION OF PERFORMANCE

No. 00420

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| 1. Unique identification code of the product-type: | Ceresit Ceretherm Classic |
| 2. Intended use/es: | External Thermal Insulation System with rendering |
| 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 040083-00-0404 |
| European Technical Assessment: | ETA-09/0014 of 30/06/2023 |
| Technical Assessment Body: | Instytut Techniki Budowlanej |
| Notified body/ies: | Instytut Techniki Budowlanej, nr 1488, Zakład Certyfikacji 1488-CPR-0439/Z |
| 7. Declared performance/s: | |

No	Essential characteristics	Performance	System/s of AVCP	Harmonised technical specification
1	Reaction to fire ETICS CERESIT CERETHERM CLASSIC with EPS boards (reaction to fire class E) and rendering system: - Adhesives based on cement: CT 83, CT 85 - Adhesives based on PU foam: CT 84 - Base coat: CT 85 - Finishing coats: CT 34, CT 35, CT 137, CT 72, CT 73, CT 74, CT 75, CT 76, CT 174, CT 175, CT 60, CT 63, CT 64, CT 79, CT 720 (with relevant key coats) - Decorative coats: CT 42, CT 44, CT 48, CT 49, CT 54, CT 55, CT 721	B – s1, d0	System 2+	EAD 040083-00-0404
	ETICS CERESIT CERETHERM CLASSIC with EPS boards (reaction to fire class E) and rendering system: - Adhesives based on cement: CT 83, CT 85 - Adhesives based on PU foam: CT 84 - Base coat: CT 85 - Finishing coats: CT 77, CT 177 (with relevant key coats)	B – s2, d0		
2	Water absorption after 1 hour Base coat CT 85	< 1,0 kg/m ²		
	Water absorption after 24 hours Base coat Ceresit CT 85	< 0,5 kg/m ²		
	Water absorption after 24 hours Rendering system: Base coat CT85 (with the key coat) + finishing coat: CT34, CT 35, CT 137, CT 72, CT 73, CT 74, CT 75, CT 76, CT 174, CT 175, CT 60, CT 63, CT 64, CT 79, CT 77, CT 177, CT 720 + CT 721			
3	Watertightness. Condition after thermal and humid cycles	Resistant		
4	Watertightness. Condition after freeze and thaw cycles	Resistant		
5	Impact resistance Rendering system: Base coat CT 85 (with the key coat) and: Single standard mesh CT 325 and CT 34, CT 35, CT 137, CT 720 + CT 721	Category III		
	Single standard mesh CT 325 and CT 72, CT 73, CT 74, CT 75, CT 76, CT 174, CT 175, CT 60, CT 63, CT 64	Category II		
	Single standard mesh CT325 and CT 79, CT 77, CT 177	Category I		
	Double standard mesh CT 325 and CT 137	Category II		
	Double standard mesh CT325 and CT 72, CT 73, CT 74, CT 75, CT 174, CT 175, CT 60, CT 79	Category I		
6	Water vapour permeability Rendering system: Base coat CT 85 (with the key coat) + finishing coat: CT 34, CT 35, CT 137, CT 72, CT 73, CT 74, CT 75, CT 76, CT 174, CT 175, CT 60, CT 63, CT 64, CT 79, CT 77, CT 177, CT 720 + CT 721	≤ 1,0m		
7	Dangerous substances	NPD		
8	Bond strength between base coat and insulation product (EPS panels)			
	Base coat:	CT 85		
	Under dry conditions	≥ 80 kPa		
	After hydrothermal cycles on the rig	≥ 80 kPa		
9	Bond strength between: adhesive-substrate (concrete)			
	Adhesives:	CT 83, CT 85		
	Under dry conditions	≥ 250 kPa		
	48h immersion in water + 2h drying at (23 ± 2)°C and (50 ± 5)% RH	≥ 80 kPa		
	48h immersion in water + 7 days drying at (23 ± 2)°C and (50 ± 5)% RH	≥ 250 kPa		
10	Adhesion between: adhesive- insulation product (EPS panels)			
	Adhesives:	CT 83, CT 85		
	Under dry conditions	≥ 80 kPa		
	48h immersion in water + 2h drying at (23 ± 2)°C and (50 ± 5)% RH	≥ 30 kPa		
	48h immersion in water + 7 days drying at (23 ± 2)°C and (50 ± 5)% RH	≥ 80 kPa		
11	Bond strength of PU foam Adhesives CT 84 EPS TR150-adhesive-substrate (concrete)			
		Foam Thickness	Test conditions: temperature and relative humidity	Bond strength
	Application conditions			
	Standard application conditions	8 ± 1mm	23°C, 50%RH	≥ 80 kPa
	Modification of thickness	15 ± 1mm	23°C, 50%RH	≥ 80 kPa
	Modification of open time (max 4 min.)	8 ± 1mm	23°C, 50%RH	≥ 80 kPa
	Modification of temperature: low temp.	8 ± 1mm	0°C,	≥ 80 kPa
	Modification of temperature: high temp.	8 ± 1mm	40°C, 30%RH	≥ 80 kPa

12	Tensile strength perpendicular to the faces of EPS	CT 83, CT 85, CT 84		
	Adhesives:			
		$\geq 80 \text{ kPa}$ 40%	$\geq 100 \text{ kPa}$ 40%	$\geq 150 \text{ kPa}$ 40%
13	Fixing strength (transverse displacement test)	Test is not required because the ETICS fulfils the criteria $E \cdot d \leq 50.000 \text{ N/mm}$		
14	Thermal resistance and thermal transmittance of ETICS	See Annex A 10		
14	Bond strength after ageing Rendering system: Base coat Ceresit CT 85 (with the key coat) + finishing coat: CT 34, CT 35, CT 137, CT 72, CT 73, CT 74, CT 75, CT 76, CT 174, CT 175, CT 60, CT 63, CT 64, CT 79, CT 77, CT 177, CT 720 + CT 721	$\geq 80 \text{ kPa}$		
16	Wind load resistance			
	Anchors: plate diameter $\geq 60 \text{ mm}$, EPS panels: thickness $\geq 50 \text{ mm}$, tensile strength perpendicular to faces $\geq 100 \text{ kPa}$	Failure load, kN for R_{panel} , dry conditions: Minimum value: 0,42 Average value: 0,44	Failure load, kN for R_{joint} , dry conditions: Minimum value: 0,33 Average value: 0,39	
	Anchors: plate diameter $\geq 60 \text{ mm}$, EPS panels: thickness $\geq 150 \text{ mm}$, tensile strength perpendicular to faces $\geq 100 \text{ kPa}$	Failure load, kN for R_{panel} , dry conditions: Minimum value: 0,87 Average value: 0,89	Failure load, kN for R_{joint} , dry conditions: Minimum value: 0,67 Average value: 0,74	
17	Characteristics of other system components			
	Thermal insulation product (EPS Panels)	Acc. ETA-09/0014 Annex B		
	Anchors	Acc. ETA-09/0014 Annex C1		
	Glass fibre meshes CT 325	Acc. ETA-09/0014 Annex C2		
	PU foam adhesive	Acc. ETA-09/0014 Annex A7		

Foregoing parameters are applicable to the use of the system consisting of Ceresit Ceretherm Classic:

- Adhesives: CT 83, CT 85, CT 84;
- Base coat: CT 85
- Key coats: CT 15, CT 16
- Finishing coats: CT 34, CT 35, CT 137, CT 720, CT 72, CT 73, CT 74, CT 75, CT 76, CT 174, CT 175, CT 60, CT 63, CT 64, CT 79, CT 77, CT 177
- Decorative coats: CT 42, CT 44, CT 48, CT 49, CT 54, CT 55, CT 721
- Insulation product: EPS panels acc. EN 13163; (see ETA-09/0014 Annex B for product characteristics)
- Anchors: acc. ETA-09/0014 Annex C1 for product characteristics
- Glass fiber meshes: CT 325; (see ETA-09/0014 Annex C2 for product characteristics)

8. 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:

Joanna Jarzyna
Chemist Product Development
AC Global PD Fasade Systems

Piotr Urynek
Quality Manager CEE North

(name and function)

(name and function)

(signature)

(signature)

Staporków, 15.11.2023

(place and date of issue)