DECLARATION OF PERFORMANCE
No. 00426

1. Unique identification code of the product-type: **Ceresit Ceretherm Popular**
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: **N/A**
5. System/s of assessment and verification of constancy of performance: **System 2+**

6a. Harmonized standard/s: **N/A**

6b. European Assessment Document: **EAD 040083-00-0404**

European Technical Assessment: **ETA-08/0309 of 30/06/2023**

Technical Assessment Body: **Instytut Techniki Budowlanej**

Notified body/ies: **Instytut Techniki Budowlanej, nr 1488, Zakład Certyfikacji 1488-CPR-0382/Z**

7. Declared performance/s:

No	Essential characteristics	Performance			System/s of AVCP	Harmonised technical specification
1	Reaction to fire				System 2+	EAD 040083-00-0404
	ETICS CERESIT CERETHERM POPULAR with EPS boards (reaction to fire class E) and rendering system: - Adhesives based on cement: ZS / CT 81, ZU / CT 82 - Adhesives based on PU foam: CT 84 - Base coat: ZU / CT 82 - 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				
	ETICS CERESIT CERETHERM POPULAR with EPS boards (reaction to fire class E) and rendering system: - Adhesives based on cement: ZS / CT 81, ZU / CT 82 - Adhesives based on PU foam: CT 84 - Base coat: ZU / CT 82 - Finishing coats: CT 77, CT 177 (with relevant key coats)	B – s2, d0				
2	Water absorption after 1 hour Base coat ZU / CT 82	< 1,0 kg/m^2				
	Water absorption after 24 hours Base coat ZU / CT 82	< 0,5 kg/m2				
	Water absorption after 24 hours Rendering system: Base coat ZU / CT 82 (with the key coat) + finishing coat: CT 34, CT 35, CT 137, CT 60, CT 63, CT 64, CT 72, CT 73, CT 74, CT 75, CT 76, CT 174, CT 175, CT 77, CT 177, CT 79, CT720 + Ceresit CT721					
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 ZU / CT 82 (with the key coat) + finisging coat:					
	CT 34, CT 35, CT 137, CT174 1,0mm	Category III				
	CT 60, CT 63, CT 64, CT 72, CT 73, CT 74, CT 75, CT 76, CT 174 1,5mm; 2,0mm, C T175, CT720 + CT721	Category II				
	CT 77, CT 177, CT 79	Category I				
6	Water vapour permeability Rendering system: Base coat Ceresit ZU / CT 82 (with the key coat) +finishing coat: CT 34, CT 35, CT 137, CT 60, CT 63, CT 64, CT 72, CT 73, CT 74, CT 75, CT 76, CT 174, CT 175, CT 77, CT 177, CT 79, CT 720 + CT 721	≤ 1,0m				
7	Dangerous substances	NPD				
8	Bond strength between base coat and insulation product (EPS panels) Base coat ZU / CT82					
	Under dry conditions	≥ 80 kPa				
	After hydrothermal cycles (on the rig)	≥ 80 kPa				
	After freeze/thaw cycles	Test is not required; freeze/thaw cycles not necessary				
9	Bond strength between: adhesive-substrate (concrete)					
	Adhesives:	ZS / CT 81, ZU / CT 82				
	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:	ZS / CT 81, ZU / CT 82				
	Under dry conditions	≥ 80 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	≥ 80 kPa				
11	Bond strength of PU foam Adhesives: CT84,EPS TR150-adhesive-substrate (concrete)					
	Application conditions	Foam Thickness	Test conditions	Bond strength		
	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					

	Adhesives:	ZS / CT 81, ZU / CT 82, CT84		
		≥ 80 kPa	≥ 100 kPa	≥ 150 kPa
		40%	40%	40%
13	Fixing strength (transverse displacement test)	Test is not required because the ETICS fulfils the criteria E * d ≤ 50.000N/mm		
14	Thermal resistance and thermal transmittance of ETICS	See Annex A 10		
15	Bond strength after ageing Rendering system: Base coat ZU / CT 82 (with the key coat) +finishing coat:			
	Ceresit CT 34, CT 35, CT 137, CT 60, CT 63, CT 64, CT 72, CT 73, CT 74, CT 75, CT 76, CT 174, CT 175, CT 77, CT 177, CT 79, CT 720 + CT 721	≥ 80 kPa		
16	Wind load resistence			
	Anchors: plate diameter ≥60 mm, EPS panels: thickness ≥50 mm, tensile strength perpendicular to faces ≥ 100 kPa	Failure load, kN for R_{panel}, dry conditions:	Failure load, kN for R_{joint}, dry conditions:	
		Minimum value:0,42 Average value: 0,44	Minimum value:0,33 Average value: 0,39	
	Anchors: plate diameter ≥60 mm, EPS panels: thickness ≥150 mm, tensile strength perpendicular to faces ≥ 100 kPa	Failure load, kN for R_{panel}, dry conditions:	Failure load, kN for R_{joint}, dry conditions:	
		Minimum value:0,87 Average value: 0,89	Minimum value:0,67 Average value: 0,74	
17	Characteristics of other system components			
	Thermal insulation product (EPS Panels)	Acc. ETA-08/0309 Annex B		
	Anchors	Acc. ETA-08/0309 Annex C1		
	Glass fibre meshes Ceresit CT 325	Acc. ETA-08/0309 Annex C2		
	PU foam adhesive characteristic	Acc. ETA-08/0309 Annex A7		

Foregoing parameters are applicable to the use of the system consisting of **Ceresit Ceretherm Popular**:
- Adhesives: **ZS / CT 81, ZU / CT 82, CT 84**
- Base coat: **ZU / CT 82**
- 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 77, CT 177, CT 79**
- 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-08/0309 Annex B for product characteristics)**
- Glass fibre meshes: **CT 325; (see ETA-08/0309 Annex C2 for product characteristics)**
- Anchors: **see ETA-08/0309 Annex C1 for product characteristics**

8. Appropriate Technical Documentation and/or Specific Technical Documentation: **N/A**

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

Joanna Jarzyna
(name and function)

(signature)

Piotr Urynek
Quality Manager CEE North

(name and function)

(signature)

Stąporków, 15.11.2023

(place and date of issue)