

## DECLARATION OF PERFORMANCE No. 00420

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|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Unique identification code of the product-type:                      | Ceresit Ceretherm Classic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 2. Intended use/s:                                                      | External Thermal Insulation System with rendering                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 3. Manufacturer:                                                        | Henkel Polska Operations Sp. z o.o., ul. Domaniewska 41, 02-672 Warszawa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| It is produced in the following manufacturing plants:                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                         | 1) Henkel Polska Operations Sp. z o.o., Stara Góra, 26-220 Stąporków<br>2) Henkel Polska Operations Sp. z o.o., Pieszycka 6, 58-200 Dzierżonów<br>3) Henkel Polska Operations Sp. z o.o., Wrząca, 64-905 Stobno<br>4) Henkel Balti Operations OÜ, Klassi 9, 50409 Tartu, Estonia<br>5) Henkel Bulgaria Operations EOOD, Building Materials Plant, Mirovjane, 1289 Sofia, Bulgaria<br>6) Henkel Srbija d.o.o. Production Site Indjija, Save Kovacevica b.b, 22320 Indjija, Serbia<br>7) Henkel Romania Operations SRL, Soseaua de Centura Pantelimon no 78, km 26, Soseaua de Centura Pantelimon, Rumunia<br>8) Henkel Romania Operations SRL, Factory Campia Turzii, 405100 Street Iancu Jianu 33, Rumunia<br>9) Henkel Romania Operations SRL, Str. Paltinului, nr. 1392, Roznov, jud. Neamt, Romania<br>10) Henkel Adhezivi BH d.o.o., Drakuljica bb, 89230 Bileća, Bosna i Hercegovina<br>Not relevant |
| 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:                                       | ETAG 004:2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| European Technical Assessment:                                          | ETA-09/0014 of 20/09/2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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<br>ETICS CERESIT CERETHERM CLASSIC with EPS boards (reaction to fire class E) and rendering system:<br>- Adhesives based on cement: Ceresit CT83, Ceresit CT85<br>- Adhesives based on PU foam: Ceresit CT84<br>- Base coat: Ceresit CT85<br>- Finishing coats: Ceresit CT34, Ceresit CT35, Ceresit CT137, Ceresit CT72, Ceresit CT73, Ceresit CT74, Ceresit CT75, Ceresit CT174, Ceresit CT175, Ceresit CT60, Ceresit CT63, Ceresit CT64, Ceresit CT79, Ceresit CT720 (with relevant key coats)<br>- Decorative coats: Ceresit CT42, Ceresit CT44, Ceresit CT48, Ceresit CT49, Ceresit CT54, Ceresit CT721<br>ETICS CERESIT CERETHERM CLASSIC with EPS boards (reaction to fire class E) and rendering system:<br>- Adhesives based on cement: Ceresit CT83, Ceresit CT85<br>- Adhesives based on PU foam: Ceresit CT84<br>- Base coat: Ceresit CT85<br>- Finishing coats: Ceresit CT77, Ceresit CT177 (with relevant key coats) | B – s1, d0<br><br>B – s2, d0                       | System 2+        | ETAG 004:2013                      |
| 2  | Water absorption after 1 hour<br>Base coat Ceresit CT85<br>Water absorption after 24 hours<br>Base coat Ceresit CT85<br>Water absorption after 24 hours<br>Rendering system: Base coat Ceresit CT85 (with the key coat) and:<br>Ceresit CT34, Ceresit CT35, Ceresit CT137, Ceresit CT72, Ceresit CT73, Ceresit CT74, Ceresit CT75, Ceresit CT174, Ceresit CT175, Ceresit CT60, Ceresit CT63, Ceresit CT64, Ceresit CT79, Ceresit CT77, Ceresit CT177, Ceresit CT720 + Ceresit CT721                                                                                                                                                                                                                                                                                                                                                                                                                                                                | < 1,0 kg/m <sup>2</sup><br>< 0,5 kg/m <sup>2</sup> |                  |                                    |
| 3  | Condition after thermal and humid cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Resistant                                          |                  |                                    |
| 4  | Condition after freeze and thaw cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Resistant                                          |                  |                                    |
| 5  | Impact resistance<br>Rendering system: Base coat Ceresit CT85 (with the key coat) and:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                    |                  |                                    |
|    | Single standard mesh Ceresit CT325 and Ceresit CT34, Ceresit CT35, Ceresit CT137, Ceresit CT720 + Ceresit CT721                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Category III                                       |                  |                                    |
|    | Single standard mesh Ceresit CT325 and Ceresit CT72, Ceresit CT73, Ceresit CT74, Ceresit CT75, Ceresit CT174, Ceresit CT175, Ceresit CT60, Ceresit CT63, Ceresit CT64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Category II                                        |                  |                                    |
|    | Single standard mesh Ceresit CT325 and Ceresit CT79, Ceresit CT77, Ceresit CT177                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Category I                                         |                  |                                    |
|    | Double standard mesh Ceresit CT325 and Ceresit CT137                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Category II                                        |                  |                                    |
|    | Double standard mesh Ceresit CT325 and Ceresit CT72, Ceresit CT73, Ceresit CT74, Ceresit CT75, Ceresit CT174, Ceresit CT175, Ceresit CT60, Ceresit CT79                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Category I                                         |                  |                                    |
| 6  | Water vapour permeability<br>Rendering system:<br>Base coat Ceresit CT85 (with the key coat) and:<br>Ceresit CT34, Ceresit CT35, Ceresit CT137, Ceresit CT72, Ceresit CT73, Ceresit CT74, Ceresit CT75, Ceresit CT174, Ceresit CT175, Ceresit CT60, Ceresit CT63, Ceresit CT64, Ceresit CT79, Ceresit CT77, Ceresit CT177, Ceresit CT720 + Ceresit CT721                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ≤ 1,0m                                             |                  |                                    |

|    |                                                                                                                                                                                                                                                                                                                                                           |                                                                                            |                 |               |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------|---------------|
| 7  | Dangerous substances                                                                                                                                                                                                                                                                                                                                      | see MSDS                                                                                   |                 |               |
| 8  | Bond strength between base coat and insulation product (EPS)                                                                                                                                                                                                                                                                                              |                                                                                            |                 |               |
|    | Base coat:                                                                                                                                                                                                                                                                                                                                                | Ceresit CT85                                                                               |                 |               |
|    | Under dry conditions                                                                                                                                                                                                                                                                                                                                      | ≥ 0,08MPa                                                                                  |                 |               |
|    | After hydrothermal cycles on the rig                                                                                                                                                                                                                                                                                                                      | ≥ 0,08MPa                                                                                  |                 |               |
|    | After freeze/thaw cycles                                                                                                                                                                                                                                                                                                                                  | Test is not required; freeze/thaw cycles not necessary                                     |                 |               |
| 9  | Bond strength between: adhesive-substrate (concrete)                                                                                                                                                                                                                                                                                                      |                                                                                            |                 |               |
|    | Adhesives:                                                                                                                                                                                                                                                                                                                                                | Ceresit CT83, Ceresit CT85                                                                 |                 |               |
|    | Under dry conditions                                                                                                                                                                                                                                                                                                                                      | ≥ 0,25MPa                                                                                  |                 |               |
|    | 48h immersion in water + 2h drying at (23 ± 2)°C and (50 ± 5)% RH                                                                                                                                                                                                                                                                                         | ≥ 0,08MPa                                                                                  |                 |               |
|    | 48h immersion in water + 7 days drying at (23 ± 2)°C and (50 ± 5)% RH                                                                                                                                                                                                                                                                                     | ≥ 0,25MPa                                                                                  |                 |               |
| 10 | Adhesion between: adhesive-thermal insulation product (EPS)                                                                                                                                                                                                                                                                                               |                                                                                            |                 |               |
|    | Adhesives:                                                                                                                                                                                                                                                                                                                                                | Ceresit CT83, Ceresit CT85                                                                 |                 |               |
|    | Under dry conditions                                                                                                                                                                                                                                                                                                                                      | ≥ 0,08MPa                                                                                  |                 |               |
|    | 48h immersion in water + 2h drying at (23 ± 2)°C and (50 ± 5)% RH                                                                                                                                                                                                                                                                                         | ≥ 0,03MPa                                                                                  |                 |               |
|    | 48h immersion in water + 7 days drying at (23 ± 2)°C and (50 ± 5)% RH                                                                                                                                                                                                                                                                                     | ≥ 0,08MPa                                                                                  |                 |               |
| 11 | Bond strength of PU foam Adhesives CT84<br>EPS TR150-adhesive-substrate (concrete)                                                                                                                                                                                                                                                                        |                                                                                            |                 |               |
|    | Application conditions                                                                                                                                                                                                                                                                                                                                    | Foam Thickness                                                                             | Test conditions | Bond strength |
|    | Standard application conditions                                                                                                                                                                                                                                                                                                                           | 8 ± 1mm                                                                                    | 23°C, 50%RH     | ≥ 0,08MPa     |
|    | Modification of thickness                                                                                                                                                                                                                                                                                                                                 | 15 ± 1mm                                                                                   | 23°C, 50%RH     | ≥ 0,08MPa     |
|    | Modification of open time (max 4 min.)                                                                                                                                                                                                                                                                                                                    | 8 ± 1mm                                                                                    | 23°C, 50%RH     | ≥ 0,08MPa     |
|    | Modification of temperature: low temp.                                                                                                                                                                                                                                                                                                                    | 8 ± 1mm                                                                                    | 0°C             | ≥ 0,08MPa     |
|    | Modification of temperature: high temp.                                                                                                                                                                                                                                                                                                                   | 8 ± 1mm                                                                                    | 40°C, 30%RH     | ≥ 0,08MPa     |
| 12 | Tensile strength perpendicular to the faces of EPS                                                                                                                                                                                                                                                                                                        |                                                                                            |                 |               |
|    | Adhesives:                                                                                                                                                                                                                                                                                                                                                | Ceresit CT83, Ceresit CT85, Ceresit CT84                                                   |                 |               |
|    |                                                                                                                                                                                                                                                                                                                                                           | ≥ 80 kPa                                                                                   | ≥ 100 kPa       | ≥ 150 kPa     |
|    |                                                                                                                                                                                                                                                                                                                                                           | 40%                                                                                        | 40%             | 40%           |
| 13 | Fixing strength (displacement test)                                                                                                                                                                                                                                                                                                                       | Test is not required; as ETICS complies the requirements of ETAG 004 p.5.1.4.2             |                 |               |
| 14 | Thermal resistance                                                                                                                                                                                                                                                                                                                                        | Calculated from the thermal resistance of the insulation product acc. ETA-09/0014 p. 3.5.1 |                 |               |
| 14 | Bond strength after ageing<br>Rendering system:<br>Base coat Ceresit CT85 (with the key coat) and:<br>Ceresit CT34, Ceresit CT35, Ceresit CT137, Ceresit CT72, Ceresit CT73, Ceresit CT74, Ceresit CT75, Ceresit CT174, Ceresit CT175, Ceresit CT60, Ceresit CT63, Ceresit CT64, Ceresit CT79, Ceresit CT77, Ceresit CT177, Ceresit CT720 + Ceresit CT721 | ≥ 0,08MPa                                                                                  |                 |               |
| 15 | Characteristics of other system components                                                                                                                                                                                                                                                                                                                |                                                                                            |                 |               |
|    | Thermal insulation product (EPS Panels)                                                                                                                                                                                                                                                                                                                   | Acc. ETA-09/0014 Annex 1                                                                   |                 |               |
|    | Anchors                                                                                                                                                                                                                                                                                                                                                   | Acc. ETA-09/0014 Annex 2                                                                   |                 |               |
|    | Glass fibre meshes                                                                                                                                                                                                                                                                                                                                        | Acc. ETA-09/0014 Annex 2                                                                   |                 |               |

Foregoing parameters are applicable to the use of the system consisting of **Ceresit Cerotherm Classic**

- Adhesives: Ceresit **CT 83**, Ceresit **CT 85**, Ceresit **CT 84**;

- Base coat: Ceresit **CT85**

- Key coats: Ceresit **CT15**, Ceresit **CT16**

- Finishing coats: Ceresit **CT 34**, Ceresit **CT 35**, Ceresit **CT 137**, Ceresit **CT 720**, Ceresit **CT 72**, Ceresit **CT 73**, Ceresit **CT 74**, Ceresit **CT 75**, Ceresit **CT 174**, Ceresit **CT 175**, Ceresit **CT 60**, Ceresit **CT 63**, Ceresit **CT 64**, Ceresit **CT 79**, Ceresit **CT 77**, Ceresit **CT 177**

- Decorative coats: Ceresit **CT 42**, **CT 44**, Ceresit **CT 48**, Ceresit **CT 49**, Ceresit **CT 54**, Ceresit **CT 721**

- Insulation product: EPS panels acc. EN 13163; (see ETA-09/0014 Annex 1 for product characteristics)

- Anchors: acc. ETA-09/0014 Annex 2 for product characteristics

- Glass fiber meshes: **CT 325**; (see ETA-09/0014 Annex 2 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:

**Dagmara Kwiatkowska**  
AC Global PD TG Facade Systems, IDC ETICS  
ETICS Manager

**Piotr Urynek**  
Quality Manager CEE North

(name and function)

(signature)

(name and function)

(signature)

Staporków, 01.06.2017

(place and date of issue)