



## DECLARATION OF PERFORMANCE

### No. 01704

- |     |  |   |
|-----|--|---|
| 1.  | Unique identification code of the product-type:                      | Ceresit CR 166  |
| 2.  | Intended use/es:   | Product for concrete surface protection. Layer application. Structural and non-structural repairs in buildings and engineering work. Ingress protection, moisture control, chemical resistance, increasing electrical resistivity |
| 3.  | Manufacturer:  | Henkel Polska Operations Sp. z o.o.,<br>ul. Domaniewska 41 , 02-672 Warszawa,   |
| 4.  | Authorised representative:   | N/A   |
| 5.  | System/s of assessment and verification of constancy of performance: | System 2+/3   |
| 6a. | Harmonised standard/s:   | EN 1504-2:2004<br>EN 14891:2012   |
|     | Notified body/ies:   | Instytut Techniki Budowlanej no 1488<br>Instytut Techniki Budowlanej, zakład Certyfikacji 1488-CPR-0658/Z<br>Instytut Ceramiki i Materiałów Budowlanych, w Krakowie, no 1487  |
| 6b. | European Assessment Document:  | N/A   |
|     | European Technical Assessment:                                       | N/A   |
|     | Technical Assessment Body:   | N/A   |
|     | Notified body/ies:   | N/A   |
| 7.  | Declared performance/s:  |   |

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	E, E <sub>f</sub> Class	EN 1504-2:2004
Compressive strength	NPD	
Linear contraction	NPD	
Coefficient of thermal expansion	NPD	
Adhesion by incision	NPD	
CO <sub>2</sub> permeability	S <sub>D</sub> > 50 m	
Water vapour permeability μ	Class I; S <sub>D</sub> < 5 m	
Capillary absorption and water permeability	W < 0,1 kg/m <sup>2</sup> *h <sup>0,5</sup>	
Resistance to thermal shock	NPD	
Chemical resistance	NPD	
Resistance to strong chemical aggression	Class II	
Adhesion after thermal compatibility	≥ 0,8 N/mm <sup>2</sup>	
Crack bridging ability	NPD	
Adhesion strength during tear off	systems with the ability to scratches bridging or flexible without move burden: ≥ 0,8 [N/mm <sup>2</sup> ]	
Slip resistance	NPD	
Artificial aging	NPD	
Antistatic properties	NPD	
Adhesion to wet concrete	NPD	
Chloride ion diffusion	NPD	
Initial tensile adhesion strength	≥ 0,5 N/mm <sup>2</sup>	
Tensile adhesion strength after water contact	≥ 0,5 N/mm <sup>2</sup>	
Tensile adhesion strength after heat ageing	≥ 0,5 N/mm <sup>2</sup>	
Tensile adhesion strength after freeze-thaw cycles	≥ 0,5 N/mm <sup>2</sup>	
Tensile adhesion strength after contact with lime water	≥ 0,5 N/mm <sup>2</sup>	
Waterproofing	No penetration ≤20g weight gain	
Crack bridging ability under standard conditions	≥ 0,75 mm	

