

Declaration of Performance



ombran MHP-SP

Reference number of the Declaration of Performance: IN4404080

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|---------------------------------------|--|
| 1. Unique ID code of the product type | ombran MHP-SP |
| 2. Application(s) | Cementitious coating for structural and non-structural repair of sewage structures Applying mortar by hand (3.1) Spraying mortar or concrete (3.3) |
| 3. Manufacturer | MC-Bauchemie Müller GmbH & Co. KG Am Kruppwald 1-8 46238 Bottrop / Germany |
| 4. Authorized representative | - |
| 5. System of AVCP | System 2+ (for uses in buildings and civil engineering works) |
| 6. Harmonised standard | EN 1504-3: 2005 |
| 7. Notified body | Institut für Massivbau und Baustofftechnologie Universität Karlsruhe (TH) ID code 0754 |

8. Declared performances


| Essential characteristic | Performance | AVCP | harmonised technical specification |
|---|---|-----------|------------------------------------|
| Compressive strength | class R3 (≥ 25 MPa) | System 2+ | EN 1504-3: 2005 |
| Chloride ion content | ≤ 0.05 % | | |
| Adhesive power | ≥ 1.5 MPa | | |
| Restricted shrinkage/swelling | ≥ 1.5 MPa | | |
| Resistance to carbonation | $dK \leq$ reference concrete (MC (0.45)) | | |
| Modulus of elasticity | ≥ 15 MPa | | |
| Thermal shock tolerance with freeze-thaw cycling and exposure to de-icing salts | ≥ 1.5 MPa | | |
| Capillary water absorption | ≤ 0.5 kg x m ⁻² x h ^{-0.5} | | |
| Fire behaviour | A1 | | |
| Hazardous substances | EN 1504-3, pt. 5.4 | | |

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 (amended by Commissions delegated Regulation (EU) No 574/2014), under the soleresponsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

van Diemen
Head of research and development and quality control

Bottrop, 28.05.2021
(place and date of issue)



(Unterschrift)

Annex

According to Art. 6 (5) of the Regulation (EU) No. 305/2011 a Safety Data sheet according Regulation (EU) No. 1907/2006(REACH), Annex II is attached to this Declaration of Performance.