

DECLARATION OF PERFORMANCE
according to Annex III of the Regulation (EU) No 305/2011
amended by Commissions delegated Regulation (EU) No 574/201

No. 20239

Unique identification code of the product-type:
SM20

Intended use/es:

Product for Structural and non structural repair for concrete
Applying mortar by hand (3.1)
Recasting with concrete (3.2)
Spraying concrete or mortar (3.3)
Structural strengthening by adding mortar or concrete (4.4)
Increasing cover to reinforcement with additional cementitious mortar or concrete (7.1)
Replacing contaminated concrete (7.2)

Manufacturer:

PAGEL Spezial-Beton GmbH & Co. KG
Wolfsbankring 9
45355 Essen
Germany

System/s of AVCP:

System 2+ (for uses in buildings and civil engineering works)
System 3 (for uses subject to reaction to fire regulations)

Harmonised standard:

EN 1504-3:2005

Notified body/ies:

Qualitätsgemeinschaft Deutsche Bauchemie e.V., identification no. 0921
MPA Bau Hannover, identification no. 0764

Declared performance/s:

| Essential characteristics | Performance | System of assessment and verification of constancy of performance | Harmonised technical specification |
|--|-------------|---|------------------------------------|
| Compressive strength | R4 | System 2+ | EN 1504-3:2005 |
| Chloride ion content ¹⁾ | ≤ 0,05 % | System 2+ | |
| Adhesive bond | ≥ 2,0 MPa | System 2+ | |
| Restrained shrinkage/expansion ²⁾ | ≥ 2,0 MPa | System 2+ | |
| Carbonation resistance ¹⁾³⁾ | passed | System 2+ | |
| Elastic modulus | ≥ 20 GPa | System 2+ | |
| Thermal compatibility | NPD | System 2+ | |
| Skid Resistance | NPD | System 2+ | |
| Coefficient of thermal expansion ⁴⁾ | NPD | System 2+ | |
| Capillary absorption | NPD | System 2+ | |
| Reaction to fire ⁵⁾ | A1 | System 3 | |
| Dangerous substances | NPD | System 2+ | |

1) Only relevant for repair of reinforced concrete.

2) Not required if thermal cycling is undertaken.

3) Not required if the repair product includes a surface protection system with proven protection against carbonation (EN 1504-2) or is a PC mortar.

4) Relevant to PC only.

5) Also possible A1, A2, B, C and D, whereby the last four classes in Germany for the time being need an approval from DIBt. The possible class F is not admitted in Germany. This class means in Germany „readily flammable“. In other European MS this class means „no performance determined“ (NPD)“ and is admitted with consideration of the valid regulation in the respective MS.

NPD = no performance determined

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:

Daniel Schempershofe, head of quality control and product development

Essen, 30.11.2016

D. Schempershofe
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