

Declaration of performance

In accordance with the Regulation (EU) No. 305/2011 (Annex III)

No. TTK – M – 0709 / 4

1. Unique identification code of the product-type:

Tekamal Silika MSM 2

2. Intended use or uses of the product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

EN 1504 – 3

**Concrete repair product for structural repair:
PCC repair mortar (polymer modified cement mortar), Class R4**

Principles:

- 3.1 Concrete restoration, applying mortar by hand
- 3.3 Concrete restoration, spraying concrete or mortar
- 4.4 Structural strengthening, adding mortar or concrete
- 7.1 Preserving or restoring passivity, increasing cover to reinforcement with additional cementitious mortar or concrete
- 7.2 Preserving or restoring passivity, replacing contaminated or carbonated concrete

3. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11 (5):

TKK Proizvodnja kemičnih izdelkov, d.o.o.
Srpenica 1, SI-5224 Srpenica, Slovenia
Tel.: +386 (0)5 3841 301, Fax: +386 (0)5 3841 390 / 3841 391 e-mail: info@tkk.si

4. System or systems of assesment and verification of constancy of performance of the construction product as set out in Annex V:

System 2+

5. In case of the declaration of performance concerning a construction covered by a harmonised standard:

EN 1504-3: 2006

**The notified body No. NB 1404: ZAG – Slovenian National Building and Civil Engineering Institute, Dimičeva 12,
SI-1000 Ljubljana, Slovenia**

6. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Compressive strength	Class R4: ≥ 45 MPa	EN 1504-3 (Table 3)
Chloride ion content	$\leq 0,05$ %	EN 1504-3 (Table 3)
Adhesive bond	Class R4: $\geq 2,0$ MPa	EN 1504-3 (Table 3)
Carbonation resistance	$d_k \leq$ in comparison with reference concrete, MC (0,45)	EN 1504-3 (Table 3)
Elastic modulus	Class R4: ≥ 20 GPa	EN 1504-3 (Table 3)
Thermal compatibility, Part 1: Adhesion bond after freeze thaw cycling with de-icing salt immersion	Class R4: $\geq 2,0$ MPa	EN 1504-3 (Table 3)
Capillary absorption	$w \leq 0,5$ kg/m ² h ^{0,5}	EN 1504-3 (Table 3)
Reaction to fire	Euroclass F	EN 1504-3
Dangerous substances	Meets requirements from Ad.5.4	EN 1504-3

7. The performance of the product identified in point 1 is in conformity with the declared performance in point 6. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed for and on behalf of the manufacturer by:

Name:
Katarina Clemente, B.Sc. in Chemistry

Position:
Admixture Dpt.Product Manager

Place and date:
Srpenica, 16.02.2017

Signature:

