



PAGEL-CONSTRUCTION MORTAR

ACCORDING TO RILI-SIB

PROPERTIES

- PCC Repairing System to preserve the stability of concrete components according to RiLi-SIB, part 2, for application within the fields of stress and strain classification M2 and M3
- corresponds to the building material classification B2 according to DIN 4102-2
- optimal creep behaviour when loaded
- excellent suitability for applying on vertical surfaces and overhead
- allows vapour diffusion and is resistant to frost and dew-salt
- plastic-modified and ready-for-use, needs only be mixed with water
- highly resistant to carbonating, is impervious to water, to the greatest possible extent dense to oil, slows down corrosion, resistant to saponification
- is monitored in accordance with the standards and guidelines in force and production is certified in accordance with ISO 9001
- is being delivered as a system and consists of the following products:

MSO2 PAGEL-CORROSION-PROTECTION AND ADHESION-LAYER

M3° PAGEL-CONSTRUCTION-MORTAR (0-2,0 mm)

FIELDS OF APPLICATION

- coating and repairing of bridges, tunnels and concrete buildings
- filling of defects in the concrete base according to the examples of use tab. 4.1 of the RiLi-SIB, part 2, version 10/01
- repairing of used areas underneath layers of bridges and in multi-storey car parks
- **repairing** of bridge underside views, retaining walls, abutments, façades and balconies
- in case of repairing plates in building constructions these can be used immediately

M3®s



PAGEL-CONSTRUCTION-MORTAR ACCORDING TO RILI-SIB

M3[®]

TECHNICAL DATA

| TYPE | | | M3® |
|---|-------|---------------------|-----------|
| Grain size | | inch | 0-0.08 |
| Coating thickness | | inch | 0.20-1.57 |
| Layer thickness in outbreaks | | inch | 0.24-3.94 |
| Amount of water | | % | 12 |
| Consumption | | lbs/ft ³ | 124.86 |
| Workability | | min. | 60 |
| Slump (with 16 stroke impacts) | | inch | 6.30 |
| Compressive strength | 24 h | PSI | 2,030 |
| (DIN 1164) | 3 d | PSI | 3,915 |
| | 7 d | PSI | 6,525 |
| | 28 d | PSI | 7,975 |
| Bending strength | 24 h | PSI | 435 |
| | 3 d | PSI | 725 |
| | 7 d | PSI | 1,160 |
| | 28 d | PSI | 1,305 |
| Fresh mortar cross density | | kg/dm³ | 137.35 |
| Dry mortar cross density | | kg/dm ³ | 126.05 |
| E-module (static) | 28 d | PSI | 3,770,000 |
| Bond performance | | | |
| Bond stress | th | kp/cm ² | 1,195 |
| Reference bond stress | t | kp/cm ² | 0,669 |
| Reference bond stress | 80 %t | kp/cm ² | 0,535 |
| Creep behavior | | | |
| Final creep measure | €∞ | | 0,00619 |
| Final creep number | ф∞ | | 1,465 |
| Final creep load | Eel | | 0,00496 |
| All test data are values derived under normal climate conditions. 23/50-2 | | | |

All test data are values derived under normal climate conditions. 23/5

25 kg bags

Supplied in: Storage: Hazard class:

GISCODE:

no dangerous goods, please examine the material safety data sheet ZP1

9 months, dry, closed bags

PROCESSING

SUBSTRATE: Clean thoroughly, free of loose and unsound material, remove any cement slurry by means of hydraulic water-blasting or similar till carrying capacity of grain structure is reached. Sufficient adhesion must be granted. (i.m. > 1,5 N/mm²). Prior to grouting the surface must be soaked for at least 6 hours till saturation. Remove rust from exposed concrete steel (degree of purity Sa 2 to Sa 2 1/2 and coat twice without gaps with MSO2 PAGEL-CORROSION PROTECTION.

MIXING: The mortar is ready-for-use and only has to be mixed with water. Pour water (max. 3,0 l per 25 kg = 12 % each bag) into the compulsory type mixer except for a residual quantity, add dry mortar and mix for approx.

3 minutes; add the rest of the water and mix for a further 2 minutes till a lump-free consistency is reached.

ADHESION-LAYER: Mix MSO2 PAGEL-

ADHESION-LAYER in small quantities with the maximum specified quantity of water as slurry and brush into the substrate pore-deep (according to technical leaflet).

PROCESSING: Apply **M3 PAGEL-CON-STRUCTION-MORTAR** into the not yet set solid compacting adhesion-layer, distribute and smooth.

CURING: Protect the surface against premature evaporation as soon as possible, latest after starting of setting process, by keeping the same damp, for example by using a water-fognozzle, plastic sheet or hessian. Time of curing: 3 days minimum. Bei Frost setzen Sie sich bitte mit uns in Verbindung; tiefere Temperaturen verzögern die Festigkeitsentwicklung und verringern die Fließfähigkeit, höhere Temperaturen beschleunigen; kälteres Anmachwasser behindert die Fließfähigkeit.

The information provided in this leaflet, is supplied by our consulting service and is the end result of exhaustive research work and extensive experience. They are, however, without liability on our part, in particular with regard to third parties proprietary rights, and do not relieve the user of the responsibility for verifying that the products and processes are suitable for the intended application. The data presented was derived from tests under normal climate conditions according to DIN 50014 and mean average values and analysis. Deviations are possible when delivery takes place. Given that recommendations may differ from those shown in this leaflet written confirmation should be sought. It is the responsibility of the purchaser to ensure they have the latest leaflet issue and that its contents are current. Our customer service staff will be glad to provide assistance at any time. We appreciate the interest you have shown in our products. This technical data sheet supercedes previously issued information Please find the latest leaflet issues at www.pagel.com.



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