

KA 20 PAGEL®-CHANNEL-MORTAR

PROPERTIES

- **PCC-Concrete Replacement System** cement based, for the **maintenance** of concrete and mortar surfaces which are subjected to special chemical loading
- suitable for hand processing on **vertical and overhead surfaces** and on a **horizontal** substrate
- can be sprayed, problem-free processing and high stability and adhesion on vertical and overhead surfaces
- **high resistance**, to some extent also against very substantial chemical attack
- **resistant** to sulphate attack (industry) or ammonium loading (agriculture)
- plastic-armoured and ready for use – the preparation liquid consists only of water, the polymer component is already contained in the mortar as powder
- is subject to our own **constant controlling** in accordance with the recognized standards and guidelines. The production is certified in accordance with **ISO 9001**.
- KA 20 is supplemented by the following products:
 - MSO2 PAGEL-CORROSION-PROTECTION AND ADHESION-LAYER
 - KA05 PAGEL-CHANNEL-MORTAR (granulation 0.1 – 0.5 mm)

FIELDS OF APPLICATION

Coating and maintenance of:

- de-salination plant
- wastewater storage units
- wastewater piping systems
- chemically stressed areas
- sulphate-laden groundwater areas
- rain overflow tanks
- collecting tanks



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TECHNICAL DATA

TYPE		KA 05	KA 20
fields of application		screeding compound	mortar
coating thickness	mm	2-5	6-40
granulation	mm	0.1-0.5	0.1-2.0
quantity of water	%	15	11
density of freshly mixed mortar	kg/dm ³	2.12	2.24
consumption	kg/dm ³	2.00	2.00
compressive strength	24 h	N/mm ²	10
	7 d	N/mm ²	45
	28 d	N/mm ²	60
	56 d	N/mm ²	69
bending strength	24 h	N/mm ²	2
	7 d	N/mm ²	6
	28 d	N/mm ²	9
	56 d	N/mm ²	10
adhesion strength	7d		> 1.3
	28 d		> 2.0
expansion	24h	Vol. %	+ 0.4
			+ 0.4

All test data are values derived under normal climate conditions. 23/50-2

supplied in:	25 kg bag
storage:	dry and frost-free
shelf-life:	9 month in closed bags
hazard class:	No dangerous substance, follow safety data sheet

PROCESSING

SUBSTRATE: Clean thoroughly. Remove loose and adhesion-restricting parts and cement slurries by high-pressure water jets or other equipment down to the load-bearing grain structure. Depth of roughness approx. 1.5 mm. There must be sufficient abrasion resistance (mean > 1.5 N/mm²). Pre-wet to saturation. Remove rust from exposed concrete steel and coat without gaps with MSO2 PAGEL-CORROSION-PROTECTION.

MIXING: Apart from a residual quantity pour water (max. 11 % corresponding to 2.75 l per bag) into the forced-circulation mixer, add dry mortar and mix for approx. 3 minutes. Add the rest of the water and mix for a further 2 minutes.

ADHESION LAYER: Stir KA 20 or MSO2 CORROSION-PROTECTION AND ADHESION-LAYER as adhesion layer in small quantities with max. 16 % water as slurries and brush into the substrate to pore depth. No adhesion layer is necessary for the spray process.

PROCESSING: Introduce KA 20 in a plastic consistency into the not yet set adhesion layer, distribute and smooth it. For spray application, ask for special technical advice if required.

AFTER-TREATMENT: Protect the surface against wind, draughts and premature water evaporation with for example film or O1 PAGEL-SURFACE-PROTECTION.

Information provided in this leaflet, supplied by our applications consulting service and contained in other recommendations is based on 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 given testing dates were found out in a normal climate according to DIN 50014 and mean average values and analysis. Deviations are possible when delivery takes place. Given Recommendations differing from this leaflet are in need of a written confirmation. Planner and user are required to inform themselves regarding the latest development of technology and the valid issue of the according leaflet. 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 actual and latest leaflets under www.pagel.de



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