

## M1 K

# PAGEL®-BONDING ADDITIVE

## BONDING PRIMER FOR CONCRETE AND MORTAR

### PROPERTIES

- a ready-for-use **dispersion** with high adhesive strength
- for self-adhereing motar, floors and repairs
- increases the **bending material** of the motar and floor
- improves the break-stretching for reasons of its **flexible reaction**, its plastic possibility of distortion and also its dispersion-proportion
- adhesion layers are being ensured by a plastifization which even forces it's way into the capillaries and by this establishes a strong connection between the old and new concrete
- **adhesion layers** on old concrete are achieved by applying two binders:
  1. cement which sets hydraulically – and
  2. resin which sets by evaporation of the water
- appears to be elastic in mortar and concrete when having **spot loading**, is plastic distortionable and counteracts by its toughness partial destruction
- makes concrete and water **impervious to water**, nearly resistant to corrosion and oil, also to chemical and mechanical attacks
- coats applied with a slurry of M1 K effect against dampness
- due to its high elasticity and bending strength thin coats and layers are being possible which grant perfect smooth and are solid against cracks
- **monitored** in accordance with the valid standards and guidelines and production is certified in accordance with **ISO 9001**

### APPLICATION

- **bonding primer**
- **self-leveling-floor**
- **mortar**
- **concrete**



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## TECHNICAL DATA

TYP	M1K -Mortar		
Bending strength	1 d	N/mm <sup>2</sup>	6
	3 d	N/mm <sup>2</sup>	7
	7 d	N/mm <sup>2</sup>	8
	28 d	N/mm <sup>2</sup>	9
Compressive strength	1 d	N/mm <sup>2</sup>	30
	3 d	N/mm <sup>2</sup>	46
	7 d	N/mm <sup>2</sup>	48
	28 d	N/mm <sup>2</sup>	61
Adhesive strength	28 d	N/mm <sup>2</sup>	> 3.0
Density		kg/dm <sup>3</sup>	1.01

The strengths were determined using a cement mortar on the basis of U 40 PAGEL-REPAIR-MORTAR

All named testing dates were found out when having a temperature of 20 °C.

## 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 of the surface must be granted (i. m. > 1,5 N/mm<sup>2</sup>). The surface must be wetted continuously till saturation

**ADHESION LAYER:** Mixing proportion:

M1K : water = 1:1 room parts  
cement : sand = 1:1 room parts

This mixture is to be stirred to a spreadable slurry. Brush the slurry by using a hard brush into the concrete surface and apply the mortar before the surface dries out.

**PROCESSING:** When calculating the mixing liquid for mortar M1K PAGEL-BONDING ADDITIVE must already be part of the same. The applied mortar must be well compressioned; afterwards remove the remainers, rub off and smooth. Later neither water nor cement must be applied.

**AFTER-TREATMENT:** Protect the surface against premature evaporation by keeping the same damp, for example by using a water-fognozzle, plastic sheet or hessian. In case of no following coating use for example O1 PAGEL-SURFACE-PROTECTION.

## FIELDS OF APPLICATION

	adhesion primer	mortar, plaster	self-leveling-floor < 20 mm	self-leveling-floor > 20 mm
M1K : water	1:1	1:2-3	1:3	1:3
cement : sand	1:1	1:3	1:3	1:3
granulation mm	0-0.4	0-2	0-4	0-8
<b>consumption / m<sup>2</sup></b>		<b>10 mm thickness</b>	<b>10 mm thickness</b>	<b>20 mm thickness</b>
M1K approx.	250 g	650 g	500 g	1 kg
cement approx.	2 kg	5 kg	5 kg	10 kg
sand approx.	2 kg	15 kg	15 kg	30 kg

The data of the prospectus, technical advice about applications and other recommendations are based on extensive research work and experience. However, they are not binding, also in respect of the rights of third parties, and they do not release the customer from the obligation to check for himself the products and processes in respect of their suitability for the application in question. The specified data were determined at 20°C. These figures are average values and analyses. Differences are possible at the time of delivery.

Our Customer Services are at all times willing to help you and we should be glad of any interest you might show.

Previous product information is invalidated by the appearance of this edition.



# PAGEL®

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