

IPA MAMMUT 3000

Water based Epoxy Mortar for pavements of natural stone

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Product Specifications:

IPA MAMMUT 3000 is a 2-component epoxy mortar curing to a viscoplastic material especially environment-conscious.

Because of the system's good emulsifying capacity is the mortar good to mix with water to a well flowing consistence. This well flowing consistence guaranties the self-compression of the epoxy resin and the very well stone-bonding.

Areas of Application:

Masonry of old and new plaster of natural and concrete stones in pedestrian zones and parks as well as areas with little traffic.

Action (Properties):

The mixed components get to an viscoplastic Duromeren with high pressure resistance and best stone-bonding as well as resistance against chemicals. The special mixture of the resin system together with well moistened pavement make a penetration of the resin into the stones impossible.

Technical Data:

Material:	solvent-free, filled 2-component epoxy resin, emulsifying with water.		
Colours:	beige, grey, more colors on request		
Density:	component I	1,8 kg/ltr.	
	component II	1,02 kg/ltr.	
	mixture:	1,6 kg/ltr.	
Mixing Ratio:	parts p. weight	comp. I:	comp. II
		24	1
Pot Life:	approx. 30 minutes at +20 ^o C,		
Processing Temperature:	not below + 8 ^o C		
Curing:	slowly cured after 6 hours, ready to be walked on after 24 hours, final strength after 5 days.		
Consumption:	4 - 8 kg/m ² depending on breadth and depth of joint.		
Compressive Strength: (thinned by water)	approx. 30 N/mm ²		
Flexural Strength:	15 N/mm ²		
Adhesive Strength:	1,0 N/mm ²		
Resistance against Chemicals:	resistant against oil, gasoline, thawing salt solution, frost		
Storage:	keep dry, protect against direct insolation		
Shelf Life:	1 year in unopened container;		
Supplied In:	25 kg plastic buckets.		

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Processing Notes:

Preparation: Draw out the joints 3 - 6 cm. Sprinkle the plaster very well with water on 3 - 4 m². Put the mixed mortar on to the plaster and fill the joints with a rubber.

Wash after 10 minutes the rests of the mortar cautiously away or sweep it up after 20 - 30 minutes. To clean tools and equipment use only water.

Final strength: Intensive insolation or high temperatures short the curing immense.

Mixing: Give whole contents of component II into component I and mix it thoroughly (approx. 3 minutes). For better handling you can give 1 liter. water to a 25-kg-container of mortar and mix it very well.

Please notice:

The pavement must have a foundation which matches with the loading. Smallest possible joint breadth: 3 mm.

The notices in this data sheet base on our present technical knowledges and practice. Because of the many different possibilities of applications the applicator must anyway make tests for his own special case.

Present rights or laws must be attended by the converter himself.

We recommend to prepare a sample space. Especially sensitive natural stones can change their color a little bit.

Safety Recommendations:

Observe all protective measures prescribed by any competent social insurance association against occupational hazards in the chemical industry. Use gloves and protective goggles. Avoid any contact between the product and your skin. For improved protection, apply cream to your hands. Use a good deal of water to wash away any splashes of material reaching your skin or an eye; afterwards, immediately consult a physician.

Any advice we provide in writing or by word of mouth is intended to support your own efforts. It is to be understood as non-binding. Product descriptions imply no representation as to liability for damage, if any. Should there be any question of liability, it will be limited, in respect of any damage, to the value of any goods supplied and used.
