



## IPA Unimörtel Rapid

### Repair mortar for humid areas

#### Product description:

IPA Unimörtel Rapid is a rapidly setting, low-shrinking repair mortar on cement basis for humid areas.

#### Application areas:

Suited for chamfers, repairing of error spots on concrete parts or pipes, canal sewages, sewage plants etc. in humid areas as well as for working on defects in wall constructions before surface insulation. Construction steel won't be attacked since the material is chloride-free. IPA Unimörtel Rapid is waterproof.

#### Working instructions surfaces:

Concrete surfaces, screeds, concrete plaster and all concrete maintenance- and repair mortars.

#### Additional recommendation for new concrete surfaces:

Please respect an adequate setting time. Avoid enrichment of cement slurry, i.e. crosswise besom strokes. Remove eventual after treatment- and trimming agents.

#### Auxiliary adhesion:

For better adhesion prepare adhesive slurry with a sludge-consistence from IPA Unimörtel Rapid and clean water using an agitator. Consider that the powder component must be agitated first with few mix water unless the included air is removed. Only then the mix may be worked to get a sludge-consistence by adding of more water. Apply this adhesive slurry fully covering with a tassel or brush to get a surface layer with a thickness of approx. 1 - 3 mm.

#### Treatment:

Mix IPA Unimörtel Rapid with clean water using a slowly running agitator. Consider that the powder component must be agitated first with few mix water unless the included air is removed. By adding of more water the mix gets a stiff-plastic consistency. Apply fresh in fresh the mortar with suitable tools on the still adhesive-active adhesion-bridge, densify and eventually abrade it. In case of big filling depths apply more layers. During and up to 24 hours after working the surface- and material temperature must be not lower than 5°C. The norms for working of cement-coated construction material are applying. For special application areas IPA Unimörtel Rapid may be mixed with IPA LIQUID ph+. In this case please contact our application technique department!

#### Technical Data

<b>Basis</b>	cement
<b>Colour</b>	grey
<b>Apparent density</b>	1,50 kg/dm <sup>3</sup>
<b>Mix liquid</b>	clean water or IPA LIQUID ph+
<b>Mix liquid demand</b>	approx. 0,15 l/kg
<b>Workability time</b>	approx. 10 minutes (depending on the temperature)
<b>Compression strength</b>	
<b>1 hour</b>	2, N/mm <sup>2</sup>
<b>3 hours</b>	17,0 N/mm <sup>2</sup>
<b>6 hours</b>	36,0 N/mm <sup>2</sup>
<b>1 day</b>	41,0 N/mm <sup>2</sup>
<b>28 days</b>	56,0 N/mm <sup>2</sup>
<b>Reload with water</b>	After 30min
<b>Bending tensile strength</b>	
<b>28 days</b>	9,80 N/mm <sup>2</sup> (with water)
<b>Consumption:</b>	2,0 kg/l mortar
<b>Delivery form</b>	20 kg plastic bucket
<b>Storage</b>	12 months with appropriate storage in unopened original bucket, dry at +5°C+30°

#### After treatment

Protect IPA Unimörtel Rapid mortars from rapid drying, solar irradiation, rain- and frost exposure by taken appropriate measures.

#### Cleaning and disposal:

Clean working tools with clean water. Dispose delivery packages, material residuals, also mix containers, according to the official disposal norms. Disposal code in hardened condition: LAGA-no. 314 09 EWC-no. 17 01 01

#### Safety at work:

During work please wear protection clothes, protection glasses and protection gloves. Don't smoke, eat or drink during the working process! In case of skin contact and splashes in the eyes immediately flush at least for 15 minutes with clean water. It is recommended to keep ready an eye flushing bottle with a sterile solution in order to flush the eyes thoroughly. Afterwards immediately consult an oculist. Please respect the security data sheets and the norms of the professional associations about treating of cement coated materials.

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Our application-technical consulting may support in word and writing your own work. It is intended as not binding advice. Product descriptions don't contain any declarations about liabilities for eventual damages. However, in case of any liability for damages, it is limited to the mere value of the delivered and used wares. With these data sheet all previous technical data about the product become invalid. Specifications of our collaborators, which are not in line of this data sheet require a written confirmation.

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