

IPA UNIMÖRTEL

Waterproofing and repairing mortar for concrete and masonry

Product description

IPA UNIMÖRTEL is a single component, ready to use with water, early set polymer modified cementitious watertight repair mortar for horizontal, vertical and overhead repair and waterproofing of concrete and masonry.

Application areas

PRODUCT USE

Interior / exterior Structural concrete repairs, bridge decks, parking decks, walls, columns, above and below grade concrete, masonry and block from positive or negative side

As water tight plaster

For height adjustments of floors

Mode of action/characteristics

IPA UNIMÖRTEL

- Fast Curing, water bearing in 12 hours
- watertight
- Excellent workability results in labor savings
- Good adhesion to substrate
- Tradesman use conventional practice
- set time – 30 minutes dependant on temperature
- shrink compensated

Working instructions surface

Surface must be solid and free of adhesion-reducing agents. Eventually derust reinforced steel and coat with IPATOP MKH 1k. Surface must be moistened in advance in order to make it capillary saturated (surface dully humid). Remove ponding water.

Treatment

Mix IPA UNIMÖRTEL with clean water with a slowly running agitator homogeneously to a workable mortar (25 kg dry mortar, 3 l water). Apply the mortar with a suitable tool, density and abrade it. In case of big blow-outs use form works. Don't replasticize with water already firm mortar. During and up to 24 hours after working surface- and material temperature must not be lower than +5°C. The norms for treating cement-coated construction material are applying.

Cleaning and disposal

Clean working tools and containers immediately after use with water. Don't pour residual quantities of mixed material in canalization.

Safety at work

During work please wear protection clothes, protection glasses and protection gloves. Avoid strong dust formation. 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.

Technical Data

Material basis	cement-based
colour	concrete grey
Max aggregate-grain size	2 mm
apparent density approx.	1,59 kg/dm ³
mix liquid	clean water
mix liquid demand	approx. 0,12 l/kg
working time	approx. 30 minutes (depending on temperature)
Material consumption	Approx. 2,0 kg IPA UNIMÖRTEL /m ² and mm layer thickness
Fresh mortar characteristic data	Gross density 2,09 g/cm ³ Air pore content 10,8 Vol.%
Solid mortar characteristic data	Already little changes of the mix liquid quantities cause an acceleration and/or delay of the setting behaviour!
Compression strength	
1 day	26,5 N/ mm ²
7 days	45,1 N/ mm ²
28 days	49,6 N/ mm ²
Bending tensile strength	
1 day	4,1 N/ mm ²
7 days	7,7 N/ mm ²
28 days	8,2 N/ mm ²
Adhesion tensile strength 7 days > 2,0 N/mm² Fracture in the concrete surface.	
Delivery form	25 kg paper bag, 42 bags on one pallet
Storage durability	approx. 12 months with appropriate storage (+5-30°C; dry) in unopened original packing

It is recommended to keep ready an eye flushing bottle with a sterile solution (available in pharmacy) 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

Delivery form

25 kg paper sack with PE-inlay.

Storage in unopened original package, in dry rooms. Storage temperature shouldn't be lower than +5°C and not higher than +30°C.

Storage durability 12 months with appropriate storage.

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