



## IPATOP MKH

**Cementitious, acrylic resin-modified 2-komp. Corrosion-protection paint as part of the IPATOP concrete-refurbishment-system**

### IPATOP MKH

set consists of a powder - and a liquid-component which give excellent corrosion-protection for the reinforcement-steel, especially for chloride-loaded parts. IPATOP MKH is cementitious based, stiffy and shows an excellent adhesion on reinforcement-steel. IPATOP MKH meets all requirements in accordance to TL-BE-PCC/SPCC of the ZTV-SI B and DIN EN 1504.

### Application-areas

Concrete-repair for bridges - and in civil-construction for tunnel repair, water dams, hydropower plants. IPATOP MKH is for the corrosion-protection of reinforcement-steel during the repair of concrete, especially also for chloride-attacked prefabricated parts in combination with IPATOP Rb and IPATOP Betonspachtel or IPATOP SPCC systems (gunnite application)

### Processing

Corroded reinforcement-steel has to be derusted in accordance with DIN to Sa 21/2. IPATOP MKH must be mixed the with a slow drilling machine (approximately 400 U/min.) for at least 4 minutes to achieve a stiffy, knot-free, suspension. First pour out the liquid -component into the mixing pot, then add little by little the powder-component. During the processing stir up the mixture from time to time. The derusted reinforcement-steel is to be painted by brush in closed layer twice in the interval of approximately 1 hour. The application-thickness amounts to min 1,1 mm, the ribs of the steel may no longer be visible. After the hardening of the second layer, min.. 1 hour at + 20 °C, an adhesive slurry made of IPATOP repair mortar is brushed into the delaminated parts including pre-treated reinforcement steel. The repair mortar IPATOP Rb or other system is placed fresh in fresh into the adhesion layer by trowel. The concrete-refurbishment-mortars are pressed in in fresh condition under usage of a suitable trowel powerfully. The tools are to be cleaned from time to time with water. \*MT = mass-parts

### Consumption

IPATOP MKH approximately 190 g powders /m steel, dia: 14 mm, with two layers.

Delivery-form and storage

IPATOP MKH is delivered in 10 or 5-kg sets.

Dry closed sets at allow least 6 months of storage.

### Hints:

GISCODE ZP 1.

IPATOP MKH is in accordance with TRGS a chromate poor, cement-containing composition. With the contact

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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### Product data:

<b>Basis</b>	synthetic resin, cement, mineral fillers
<b>Color the mixture</b>	grey
<b>Consistency of the ready mixture</b>	good painting
<b>Density of the ready mixture</b>	approximately 2,0 kg/dms
<b>Mixing ratio</b>	3,0 : 1
<b>Processing-time approximately</b>	30 minutes with +20 °C, suspension becomes stiffy
<b>Application procedure</b>	by brush
<b>Necessary layers</b>	two
<b>Job-thickness min</b>	approximately 1,1 mm
<b>Consumption with two layers</b>	approximately 200 g / m steel ø 14 mm
<b>Productivity approximately</b>	0,5 l/kgs
<b>Reaction and hardening time</b>	ca. 1,5 h at +20 °C und 60 % humidity
<b>Air - and substrate - temperature during application</b>	+ 5 °C until + 30 °C
<b>Storage cool and dry</b>	at least 6 months
<b>Cleaners in the fresh state</b>	water
<b>Form of delivery</b>	10 or 5-kg sets.

with IPATOP MKH, the subsequently presented regulations are mineral corrosion-protection to observe. With application in the area concrete-refurbishment in the bridge or civil-construction is the implementation-instruction for the IPA - concrete-refurbishment-systems, to be observed.

Application (Gef.Stoff V): Xi, irritant,

Transportation: , GGVS,: not necessary

Storage (VbF): not necessary

WHG,: WGK 1

Waste disposal: Waste-keys 31441 Measures for the accident and health-protection, that result from the security-data-sheet and the mark, are to be observed.

With this leaflet, all prior technical statements concerning this product become invalid. Changes, that mean a technical advance, can be done. Declarations of our employees, which exceed the meaning of this leaflet, need a written confirmation.

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