

# IPAPUR EINBETTSCHICHT

## *Economic, sturdy,-tough-elastic PU-coating*

For elastic, crackbridging coatings on concrete –cement pavements and melted-asphalt, (melted-asphalt only in interiors), with existing cracks or where crack-formation is to be expected.

On balconies, terraces, footpaths etc

Especially well-suited for repair-work of old, worn-out pavements.

### **Operation (qualities).**

After mixing, the components will cure into a hornlike, thermoset plastic material characterized by high pressure, bending tension, adhesion strength, and shear resistance values.

### **Product-data.**

#### **Coating system setup:**

Industry-pavements, balconies, terraces

#### **Prime coat**

*inside application:*

1 X Patching WITH IPAPOX B/DB

CONSUMPTION 0,3–0,5 KG/m<sup>2</sup>

Cover with approximately 1,0 kg/m<sup>2</sup> quartz-sand 0,4–0,7 mm.

*Outsides:*

1 –2 X Patching WITH IPAPOX B/DB CONSUMPTION

0,3–0,5 KG/m<sup>2</sup> per layer

Cover with approximately 1,0 kg/m<sup>2</sup>

Quartz-sand 0,4–0,7 mm.

#### **Top-Coating:**

1 x IPAPUR EINBETTSCHICHT, consumption: 0,6-

1,5kg/m<sup>2</sup> possibly 2:1 mixed with quartz-sand 0,1-

0,4mm

Cover with approximately 1,0 kg/m<sup>2</sup> quartz-sand, 0,4–0,7 mm.

#### **Top Sealing:**

1 X IPAPUR VS, approx. 0,3 kg/m<sup>2</sup>

For light stable sealing use IPAPUR VS/Le

### **Technical data:**

Character	Test	Curing	Data
Ratio			4:1 parts by weight
Density	DIN 53 217		Approx. 1,2 kg/l
Solid-content	DIN 53 216		Approx. 100%
SHORE Hardness A/D	DIN 53 505	7 d at 23°C	80-83/45
Elongation at break	DIN 53 504	7 d at 23°C	Approx. 100%
Tear strength	DIN 53 504	7 d at 23°C	Approx. 5 N/mm <sup>2</sup>

Storage: dry, with temperatures not over 30 °C and with direct sun-insulation

Shelf-life: 6 months in unopened containers

Delivery-form: 10 and 20 kg net

### **Resistance**

#### **Mechanically:**

crackbridging (unfilled) > 0,4 mm with 2 mm layer-thickness.

#### **Chemically:**

PERMANENTLY resistant.. against water, watery salt-solutions, gas, fuel oil, lyes, cleaning- and disinfectants, beer, wine and fruit juices and others

#### **Thermal:**

Moist and dry heat short-term until + 80°C.

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## IPAPUR EINBETTSCICHT

### Processing

#### Nature of the underground

Substrates must be solid, clean and free from dust, oil and/or grease. Use IPAPOX VA to solidify, if necessary several times, any soft and/or porous substrate. The surface must be fine-gripping, strong and dry (maximum 4% moisture-contents), and free from dusting or spallings. The adhesion strength may not be under 1,5 N/mm<sup>2</sup>.

#### Surface-preparation:

Not sufficiently strong screeds and greasy contaminations must be removed mechanically.

#### Mixing

Begin with mixing up Comp. I intensively (min. 3min.) Then pour Comp. II into Comp. I and mix with at electric stirrer (approx. 300–400 r.p.m.).

**The duration of mixing amounts to at least 3 minutes and is finished when a homogeneous colour of the mixed material is achieved.**

Pour mixed material into at clean vessel, and mix again shortly.

#### Processing-methods:

The mixed material is poured onto the prepared surface and broadcasted with a trowel or a squeegee.

At vertical and sloping surfaces IPAPUR EINBETTSCICHT must be mixed with 2-3 weights - % of thickener. The fresh coating must be backroled to relieve air bubbles

#### Hints to the priming of exposed (weathered) substrates:

The primer (IPAPOX B/DB) must be applied by brush to achieve a good filling of the pores in the substrate. Then the primer is covered with 0,8–1 kg/m<sup>2</sup> quartz-sand 0,4–0,7 mm: evenly. Loos sand-grains must be removed after curing. Then role on the 2<sup>nd</sup> layer of primer and also cover with 0,8 kg/m<sup>2</sup> quartz-sand 0,4–0,7 mm. Work with falling temperatures.

#### Observe waiting times!

#### Air - and underground-temperatures: -

Minimal	+ 10°C, at least however + 3°C over point of condensation,
Maximum	+ 30°C.
Relative humidity	maximum 80%.

#### Respect:

With low temperatures and high rel. humidity, an oily -film can occur on the coating. This film deeply affects the adhesion to the following coating and must be removed by suitable cleaning-measures.

Waits between the operation:

	+ 10°C	+ 20°C	+ 30°C
IPAPOX B/DB min	24hrs.	24 hrs.	16 hrs
maximum	4 days	4 days	2 days
IPAPUR EINBETTSCICHT min	2 days	1 days	1 days
maximum	4 days	2 days	2 days

The primer must be cured tack-free!,

#### Curing times:

	+ 10°C	+ 20°C	+ 30°C
IPAPUR EINBETTSCICHT			
Walk-in	2 days	1 days	1 days
Light load	4 days	2 days	2 d
Full load	10 days	7 days	7 days

**Cleaning of the equipment.** IPA Aktivreiniger

#### Precautions:

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.

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