



Safety data sheet

IPA Elastikschlämme

Status: 05.01.2024 Version: 1

Elastic sealing slurry for structural waterproofing, crack-bridging with DIBt approval

Product description:

IPA Elastikschlämme is a two-component product consisting of:

- Mineral dry mortar component
- Solvent-free liquid component for mixing

IPA Elastikschlämme

- Has high adhesive strength and hardens without shrinkage or cracking
- Can also bridge cracks due to its bending and expansion capacity
- IPA Elastikschlämme is tested and monitored according to DIN.
- Is impermeable to water
- is suitable as WHG §19 coating against transformer and light heating oil

Examination certificate:

TÜV Süd 137364 1-02
DIBt Z-59. 12.390

Areas of application:

IPA Elastikschlämme is used for flexible surface waterproofing of indoor and outdoor structures against ground moisture, non-pressing surface water and seepage water, especially for substrates subject to stress. IPA Elastic Grout is suitable for waterproofing external basement walls made of concrete and masonry, retaining walls, concrete floor slabs, balconies and terraces as well as for bonding flexible joint tapes. IPA Elastikschlämme can also be used as a substrate for plasters of the PI, PII and PIII mortar groups (lime, lime-cement and cement plasters) as well as for tiles and slabs.

IPA Elastikschlämme is diffusible against water vapor, it is a diffusion barrier against Carbon dioxide (carbonation brake). IPA Elastikschlämme has good adhesion to cleaned concrete surfaces. It is impermeable to water and can be used as a WHG §19 coating against transformer and light heating oil.

Processing:

Remove dust and loose parts from the substrate; otherwise VOB applies.



Safety data sheet

IPA Elastikschlämme

Status: 05.01.2024 Version: 1

Substrates made of fine-pored concrete B15 must be free of gravel pockets, cracks, ridges and edges; gravel pockets in the concrete must be closed with IPA repair mortars before the surface is waterproofed. Chisel out metal parts to a depth of 1.5 cm. The substrate must be pre-wetted to saturate it with capillary action; remove any standing water (matt damp surface).

Masonry with joints must be plastered with IPA barrier plaster or IPA Unimörtel (sealing mortar).

IPA Elastikschlämme can be applied directly to masonry made of sand-lime bricks or hollow concrete blocks with full-joint cement mortar.

Do not apply at temperatures below +5°C, when frost is expected or on frozen surfaces. Any further application must be carried out after sufficient curing (after approx. 6 hours at the earliest, depending on the temperature). Prevent intense, direct sunlight, e.g. in midsummer, or strong drying due to wind during application (e.g. by covering with tarpaulins). During the application time and 72 hours thereafter, the substrate and material temperature must be at least +5°C, but not more than +30°C, and the relative humidity should not exceed 80 %. The rules for processing cement-bound building materials apply.

Special notes:

IPA Elastikschlämme is a cementitious product. The color shade may therefore vary slightly depending on the raw material. To achieve a uniform coating color, IPA Elastikschlämme should be subsequently coated with IPAPLAST. Skin formation in the working vessel can be avoided by covering the vessel.

Apply:

Apply IPA Elastikschlämme in at least 2 coats of the same consistency using a brush. Observe the required layer thickness at corners and edges. Each further coat is applied after sufficient curing (after approx. 6 hours at the earliest, depending on the temperature).

To bond flexible joint tapes, first apply a coat of IPA Elastikschlämme. Insert the joint tape and brush over the side fabric again. Apply the mixed sealing slurry within 1 hour, IPA Elastikschlämme can be removed from the tools with water when fresh.

Protect fresh coatings from sun, cold and wind and keep them moist if necessary.

Protect finished surfaces from mechanical damage; backfill construction pits in accordance with VOB.

The tools are cleaned with clean water. Delivery containers, material residues, also. Mixing containers must be disposed of in accordance with official regulations. Disposal key in hardened condition:

LGA No. 314 09

EWC No. 17 01 01

Safety instructions:

Please wear protective clothing, safety goggles and protective gloves when working. Avoid heavy dust formation as far as possible (cement dust)! Do not smoke, drink or eat during processing. In the event of skin contact and splashes in the eyes, rinse immediately with clean water for at least 15 minutes. It is recommended to have an eye wash bottle with a sterile solution ready to rinse eyes thoroughly. Then



Safety data sheet

IPA Elastikschlämme

Status: 05.01.2024 Version: 1

consult an ophthalmologist immediately. Please observe the safety data sheets and the regulations of the trade associations regarding the handling of cementitious materials.

Technical data:

Material base	2-component, cement/plastic	
	Powder component	Liquid component
Color	Gray or white	White/milky
Mixing ratio	7 Parts by weight	3 parts by weight
Bulk weight/density	Approx. 1.3 kg/dm ³	Approx. 1.1 kg/dm ³

Adhesive tensile strength on concrete	28 days - 1.3 N/mm ²
Tear elongation	up to 30 %
Crack bridging	up to 0.6 mm (with crack formation)
Adhesive tensile strength	up to 1.25 N/mm ²
Water vapor permeability (μ-value)	approx. 300
Processing time	approx. 1 hour (depending on temperature)
Water resistance test (1.5 bar)	passed
Irrigation resistance test	passed
Consumption	at least 2.5 kg/m ² depending on the application multiple application! For transformer troughs 5 kg/m ² multiple application!
Order thickness	at least 1.5 mm
Shelf life	approx. 6 months
Storage	dry and frost-free
Delivery form	30 kg container (21 kg bucket and 9 kg plastic canister)
Examination certificates	TÜV Süd 1373641-02 DIBt Z-59.12.390