

IPATOP SM BETONSPACHTEL

Knifing Filler Used To Make Priming Layers, Fine-Grained Grouts and Slurry Layers.

Product Specifications:

IPATOP SM is a cement-bound, synthetic resin-modified, fine grained ready to use single-component patching mortar.

Action (Properties):

If made up with Water, the IPATOP SM knifing filler will form a fine-grained grouting material characterized by extremely good adhesion and bonding properties on dry and moist mineral-based substrates. IPATOP SM can be applied as a filler or a slurry and will result in a crack-free surface resistant to freezing/thawing cycles.

Test Certificates:

Munich Technical University report no. 3325-17-86, Research Into The Properties Of The IPA concrete refurbishing and repair system.

Areas of Application:

Use IPATOP SM as an easy to apply knifing filler, adhesive and primer on: Concrete, mortar, stone, asbestos cement surfaces. By way of priming layer for IPATOP RM layers. By way of knifing filler used to level uneven patches, with a depth of up to 5 mm, in settling basins, on stairs, to fill pores, blowholes, small-size rock pockets in concrete structures, bridge caps, garage floors, water basins, ramps. By way of bonding agent to hold wall and flooring tiles, to obtain freeze-proof bonding of tiles on façades, gas-filled concrete, lightweight structures and foamed insulation panels.

Processing Notes:

IPATOP SM, an easily applicable knifing filler, is thoroughly mixed with IPATOP LIQUID in accordance with instructions (as printed on the bag). Remove any substances impeding adherence from the substrate, for instance by sandblasting. If a priming coat is required, pretreat the substrate using IPATOP LIQUID.

Mixing Instructions:

Knifing Filler/Bonding Agent:

Thoroughly mix 25 kg (one bag) of grey powder and 6,5 kg of IPATOP LIQUID to form a homogeneous, pasty compound, using a stirrer having as low a speed as possible.

Priming Coat:

Thoroughly mix 25 kg (one bag) of grey powder and 8 kg of IPATOP LIQUID to form a homogeneous slurry, using a stirrer having as low a speed as possible.

Technical Data:

Material	mineral-based binder and plastic-modified additive
Appearance	powder: cement grey
Processing Temperature	not below +5°C (material temperature)
Bulk Density of Fresh Mortar	1,65 kg/dm ³
Test Data:	(after 28 days under standardized climatic conditions)
Compressive Strength:	34 N/mm ²
Flexural Strength:	10 N/mm ²
E Modulus:	13,6*10 ³ N/mm ²
Shrinkage Factor:	less 1 % Linear Temperature Expansion Coefficient: 15.10 6/K
Adhesion Strength	up to 2,4 N/mm ²
Consumption	approx. 1,5 kg per square meter and mm of layer thickness
Storage	dry
Shelf Life	6 months within original container
Supplied In	plastic-lined bag of 25 kg

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Please Note:

Owing to reduced pot life, making up smaller quantities is to be recommended at high temperatures. Adapt the above mixing ratios accordingly! Never apply more than 5 mm per layer of filler or priming coat; so if necessary, apply several layers. Apply filler using a trowel or a knife. Apply priming coat using suitable brushes. If at all possible, protect any surface treated against wind and insolation. If concrete is being repaired, we recommend impregnating any filler surface by means of IPAPHOB SPECIAL and to apply, moreover, a coat of IPATOP AS to inhibit noxious gases. Protect glass surfaces and anodized parts! Use only water to clean equipment and stirrer!

Safety Recommendations:

Because of its alkalinity, IPATOP SM is corrosive! 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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Version 11/18

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