

IPA E 64 Sanierputz grau

Ready-Mixed Refurbishing Plaster, Water-Repellent with Excellent Vapour Diffusio Characteristics.

Product Specifications:

Ready-mixed IPA E 64 mortar to DIN 18557; thanks to its pronounced pore-forming and hydrophobic characteristics, it can be used to make up a high-grade refurbishing plaster meeting the requirements of the WTA Code of Practice. Third-party quality control by the Munich, West Germany, Technical University ensures constant IPA E 64 quality.

Areas of Application:

IPA E 64 refurbishing plaster is used to dry out moist and even salty masonry serving as substrates for plaster and rendering materials. IPA E 64 refurbishing plaster is used to sanitize moist basements and vaults, to dry out historical structures and to prolong the usefulness of older housing and commercial buildings. Thanks to the reduced level of moisture absorption rendered possible by IPA E 64 refurbishing plaster, even very demanding problems concentrated within downtown areas subject to flooding, or on structures subject to high-level salt loading, can now be solved.

Owing to its highly hydrophobic nature, this plaster material, once cured, will be resistant against heavy rain and also freezing temperatures. On subsequently installed sealing layers within basement areas or other spaces subject to high humidity or increased water vapour, this refurbishing plaster will remain superficially dry thanks to its hydrophobic finish (preventing the formation of water condensate).

Action (Properties):

Refurbishing plaster made using IPA E 64 will produce, approx. 30 % of water-repellent air porosity, thus reducing capillary suction within cured mortar. Water evaporation is thus displaced from the surface of the plaster coat into its interior. The high level of air voids within this refurbishing plaster will ensure optimum water vapour permeability so that any wall so coated can evaporate its excess moisture through its plaster coats.

Test Certificate:

Test Report no. 7506n covering The Hydrophobic, Porous IPA-E64 Refurbishing Plaster drawn up by Munich Technical University.

Processing Notes Covering The IPA E 64 Re-furbishing System:

Pretreatment:

Remove any existing plaster down to the raw masonry and at least 2 ft above the level of visible soaking. Remove any trace of gypsum, wood, paint or other substances that might impair adhesion. Scrape out approx. 1 - 2 cm of any jointing mortar found crumbling. Next, clean any surfaces to be treated using a broom having rigid bristles. Remove any rubble without wetting the substrate.

IPA Salt Treatment Using DURIPAL: Consumption: Approx. 3 lts per square meter and spraying pass. Using DURIPAL, flood small-sized surfaces of cleaned masonry, or wet them thoroughly by spraying.

Technical Data:

| | | |
|---|--|------------------------------|
| Material: | mineral binders, sand, additives | |
| Appearance: | light grey | |
| Processing Time: | Approx. 25 - 40 minutes, depending upon weather conditions | |
| Test Data: | IPA | Requirements as per WTA Code |
| Compressive Strength: | 3,5 N/mm ² | < 6 N/mm ² |
| Flexural Strength: | 1,3 N/mm ² | |
| Ratio Between Compressive Strength and Bending Tension Strength: | 2,8 | < 3,0 |
| Bulk Density of Fresh Mortar: | 1,33 kg/dm ³ | < 1,5 kg/dm ³ |
| Air Void Contents: | approx. 35 % | > 25 % |
| Water Absorption Coefficient (W24 2 0,5 (kg/m h)): | 0,4 | < 0,5 |
| Resistance Against Water | | |
| Vapor Diffusion μ: | 5,3 | < 12 |
| Bulk Density: | 1,25 kg/dm ³ | |
| Consumption: | approx. 13 kg per square meter and 1 cm of layer thickness | |
| Shelf Life: | approx. 6 months | |
| Supplied In: | plastic-lined bag holding 30 kg | |

IPANEX adhesion layer (Containing IPANEX):

Consumption on 10 square meters if applied half covering: approx. 1,2 ltr. of IPANEX, approx. 12 lts. of PZ35F cement, approx. 12 lts. of sand.

Consumption on 10 square meters if fully

covered:

approx. 2,5 lts. of IPANEX, approx. 24 lts. of PZ35F cement, approx. 24 lts. of sand. Prior to mixing, thoroughly stir IPANEX within yellow (30 lts.) canister using a stirrer.

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Mixing:

Use a bucket to meter 50 lts. of sand (clean, washed natural sand, 0 - 4 mm to DIN) and 50 lts. of PZ35F cement into the mixer, mix thoroughly adding makeup water to form an earth-damp material. Next, add. 3,50 lts of IPANEX, mix thoroughly and add industrial water to form a material having a mashy consistency.

Apply adhesion layer IPANEX fresh in fresh and top down on to the surfaces still wet with DURIPAL so as to form a net-like structure, or covering the full surface. So as to improve adhesion of the finishing layer, leave the surface of the priming coat rough. Before applying the refurbishing coat of plaster, wait for the priming layer to cure at least 4 hours and no more than 5

days. Refurbishing Plaster Based On Ready-Mixed E 64 Mortar: Consumption: 15 kg of ready-made mortar per square meter and 1 cm of layer thickness; 40 kgs correspond to 28 lts of wet mortar.

Preferably use a good mixer to prepare, out of ready-made IPA E 64 mortar and mixing water (approx. 6 lts per bag), a material ready to be applied.

After thoroughly wetting the priming layer, use a trowel to apply the first coat of approx. 10 mm of IPA E 64 refurbishing plaster. After approx. 12 hours (depending upon weather conditions) thoroughly wet the first coat of IPA refurbishing plaster and apply approx. 15 mm of IPA refurbishing plaster by way of second layer. After another 4 hours, the surface of IPA refurbishing plaster can be structured as required.

Please Note:

- a.) To improve surface adhesion, do not smooth the surface of any intermediate layer.
- b.) To smooth out any unevenness on (say, bricklined) masonry, apply, in a single pass, up to 40 mm of correction coating, using IPA E 64 refurbishing plaster.
- c.) When making and curing any IPA E 64 refurbishing plaster, observe all cement work rules imposed by DIN 1045, i.e. avoid heat, frost and high winds while applying the material and for at least 24 hours afterwards; keep moist during a sufficiently long period of time. If any wall being plastered is subject to capillary moisture, installing an impervious horizontal course of IPA JEKTIPAL is to be recommended.
- d.) Protect glass surfaces, wooden parts and inserts against soiling! Should any soiling occur, immediately use water to clean thoroughly; once the mortar is cured, there is no longer any possibility of removing it.

Use only water to clean equipment and mixers!

Safety Recommendations:

Because of their alkalinity, IPA E 64 refurbishing plaster, DURIPAL and IPANEX are corrosive! Observe all protective measures prescribed by any competent social Insulaner also- Fixation Agonist 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. User a Gold deal oft Walter tot was Awad an Splisses oft material reichen Youri Skin Ort an ehe; afterwards, immediately consult a physician.

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