

TECHNICAL DATA SHEET: IZONIL SKIM COAT

High Quality industrial dry mix skim coat with 100% waterproof, breathable properties and dehumidifying properties. It is formulated with white Portland cement, calcium carbonate powder, unique natural admixture (Izocomponent) and reinforced with fibers for application on external / internal surfaces. Product is suitable for achieving finished smooth surface of plastered and concrete walls as superior replacement of normal skimcoat / wall putty. It can resist heavy rain / monsoon with water penetration of less than 1 mm.

ADVANTAGES

- World-unique skim coat - simultaneously 100% waterproof, breathable and dehumidifying
- Resistant against penetration of water from heavy rain / monsoon rain
- Highly breathable
- Dehumidifying ability - constantly dries out moisture from inside the wall and allows it to evaporate outside
- Excellent adhesion to the substrate with minimum waste during application
- Resistant against salt crystallization and sulphur-resistant
- Applicable on damp surface
- Smooth and white superfine finish, corrects uneven surface
- Abrasion resistant
- Paintable with any type of masonry paint
- Resistance to formation of hairline crack
- Non-toxic



USAGE

IZONIL SKIM COAT can be applied either on surface plastered by IZONIL plaster or on surface plastered by ordinary plaster. IZONIL SKIM COAT provides white smooth finish. Patching compound and primer does not have to be used prior to painting. Any kind of masonry paint is suitable in terms of adhesion. In terms of breathability it is recommended to use diffusion-open paint (silicate paint, cement paint, lime wash paint) as it enables breathability and it is not recommended to use diffusion-closed paint (elastomeric, latex). It protects external wall against water penetration (100% waterproof ability) and in the same time helps to get rid of moisture accumulated inside concrete or plastered walls, ceilings, beams and columns.

TECHNICAL DATA

Appearance / color	Powder / white
Chemical composition	Calcium carbonate, white Portland cement, natural admixture Izocomponent, PP fibers
Size of calcium carbonate particles	≤ 44 μm
Packaging	20 kg paper bag / plastic bag
Shelf life	Minimum 18 months
Water / powder ratio	7.2 - 7.5 litres of clean water / 20 kg of IZONIL SKIM COAT
Pot life / workability	Minimum 3 hours (at temperature 20 °C)
Thickness of layer	2 mm - 3 mm (applied in 2 layers)
Coverage / Estimation	Thickness At 1 mm 1 m ² = 1 kg of dry skim coat At 2 - 3 mm 7-8 m ² = 20 kg dry skim coat
Depth of water penetration	< 1 mm (exposed to heavy rain / monsoon rain)
Bulk density of hardened mortar	1350 kg / m ³ ± 50 kg
Compressive strength	5 - 9 MPa (after 28 days)

SURFACE PREPARATION

IZONIL SKIM COAT is designed to be applied on plastered substrate (plastered with one of IZONIL plaster or plastered by ordinary plaster) or on concrete substrate (precast concrete or cast-in-place concrete).

Surface must be solid and without impurities, loose particles and contaminants such as oil, dust, grease, alcohol, etc. It is recommended to patch holes deeper than 2 - 3 mm with plaster mixture before application of IZONIL SKIM COAT. It is recommended to slightly wet the surface immediately before application.

MIXING

It is advisable to use hand-held electric mixer to mix IZONIL SKIM COAT. Water is always added first, 7.2 - 7.5 liters of water per 20 kg of IZONIL SKIM COAT. Nothing else is added into mixed composition.

Add the prescribed amount of water into a suitable mixing container, followed by IZONIL SKIM COAT powder. Mix for at least 5 minutes with constant slowly mixing into a homogeneous smooth slurry. Then let the slurry rest for 5 minutes and then mix again for 1 minute. Mixed IZONIL SKIM COAT must be used within 3 hours.

APPLICATION

IZONIL SKIM COAT is applied manually by trowel in recommended total thickness 2 - 3 mm. It is recommended to apply IZONIL SKIM COAT in 2 layers. First layer is applied in thickness 1 - 1.5 mm. When first layer is partially dry (after 30 - 60 minutes), second layer is applied in thickness 1 - 1.5 mm to reach total thickness 2 - 3 mm.

CARE AFTER APPLICATION

At least 24 hours after application of IZONIL SKIM COAT, sandpaper can be used to correct trowel lines and imperfections caused by application. Dust created by sand paper must be washed off with water - water does not penetrate through IZONIL SKIM COAT and wall does not get wet.

FINAL COATING / PAINTING

Let IZONIL SKIM COAT to dry / harden at least 3 days before finishing the surface. IZONIL SKIM COAT can remain exposed without any final coating / painting. If final coating / painting is required, decorative coatings with high water vapor permeability should be used (highly breathable - diffusion-open decorative coatings / paints like silicate paints, cement paints, lime paints).

LIMITATIONS AND WARNINGS

- No additives other than clean water are added to IZONIL SKIM COAT
- IZONIL SKIM COAT is not applied at direct sunlight and / or strong wind or rain
- IZONIL SKIM COAT is only applied on a solid, pre-prepared substrate
- The freshly applied IZONIL SKIM COAT must be protected from rain for at least 24 hours (at 20 ° C)
- If IZONIL SKIM COAT is applied inside, it is necessary to ensure proper ventilation of the room for optimum drying
- Mixed IZONIL SKIM COAT can only be processed at air and substrate temperature above + 5 ° C
- With the expected freeze, it is not recommended to use IZONIL SKIM COAT
- Potable water is used for mixing of IZONIL SKIM COAT
- Unused IZONIL SKIM COAT remnants are mixed with water, allowed to cure and disposed as construction waste

LEGAL NOTICE

The information and, in particular, the recommendations relating to application and final use of IZONIL products are provided in good faith, resulting from the present knowledge and experience with the products when properly stored, handled and applied under normal conditions in accordance with the recommendations of SEED or its distributors. As long as the use and processing of the product is not subject to our direct influence, we will not be liable for any damages caused by its misuse. We reserve the right to make changes resulting from technical progress.

MANUFACTURER



SEED (Pvt) Ltd, Pakistan

Address: Building #1, Civic Center, Phase 4
Bahria Town, Islamabad.

website: www.seedpk.com

Phone no: +92 51 5731544 , +92 51 2724373