

# Ducon Skim Coat

TECHNICAL DATA  
SHEET (TDS)



High performance, cementitious finish skim coat

## DESCRIPTION

100% waterproof white superfine skim coat (resistant against heavy rain / monsoon rain with water penetration less than 1 mm) and dehumidifying skim coat (with high volume of micro pores which allows permanent dehumidifying process of wet substrate). Provides long-term solution to a problem of water penetration to the wall and simultaneously provides long-term solution of ventilation and drying of wet walls without any harmful content or toxic ingredients.

## 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
- Applicable manually or by plastering machine
- Smooth and superfine finish, corrects uneven surface
- Abrasion resistant
- Paintable with any type of masonry paint
- Resistance to formation of hairline crack
- Non-toxic

## RECOMMENDED USE

Applicable on vertical surface (concrete wall and plastered wall) both for renovation of existing / historical buildings and for new buildings:

- External plastered wall / precast concrete wall / cast-in-place concrete wall
- Internal plastered wall / precast concrete wall / cast-in-place concrete wall

## FEATURES & BENEFITS

**DUCON SKIM COAT**- it provides smooth finish. Concrete neutralizer, 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) as it disables breathability. If ever diffusion-closed paint (elastomeric, latex) is used; before paint is applied, **DUCON SKIM COAT** - helps to protect 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 (dehumidifying ability).

## TECHNICAL DATA

Appearance / color	Powder / white, gray
Chemical composition	Calcium carbonate, white Portland cement, natural admixture Izocomponent, PP fibers
Size of calcium carbonate particles	≤ 44 μm
Packaging	25 kg paper bag / plastic bag
Shelf life	Minimum 18 months
Water / powder ratio	9 – 9.3 liters of clean water / 25 kg of DUCON SKIM COAT
Pot life / workability	Minimum 3 hours (at temperature 20 °C)
Thickness of layer	2 mm - 3 mm (applied in 2 layers)
Coverage / consumption	16 m <sup>2</sup> / 25 kg bag at 1 mm thickness.
Depth of water penetration	< 1 mm (exposed to heavy rain / monsoon rain)
Bulk density of hardened mortar	1350 kg / m <sup>3</sup> ± 50 kg
Compressive strength	5 - 9 MPa (after 28 days)

## Statement of Responsibility (Disclaimer)

The technical information and application advice are based on present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

Ducon Polymer Flooring (DPF)

www.dpf-asia.com

High performance, cementitious finish skim coat

## METHOD OF APPLICATION

### 1. Surface Preparation

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 **DUCON 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 **DUCON SKIM COAT**.

Water is always added first, 9 – 9.3 liters of water per 25 kg of **DUCON SKIM COAT**. Nothing else is added into mixed composition.

Add the prescribed amount of water into a suitable mixing container, followed by **DUCON 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 **DUCON SKIM COAT** must be used within 3 hours.

### APPLICATION GUIDELINES

**DUCON SKIM COAT** is applied manually by trowel or by machine pump on prepared surface in recommended total thickness 1 - 2 mm. It is recommended to apply **DUCON SKIM COAT** in 2 layers. First layer is applied in thickness 0.5 - 1 mm. When first layer is partially dry (after 30 - 60 minutes), second layer is applied in thickness 0.5 - 1 mm to reach total thickness 1 - 2mm.

### CLEANING

Clear water is used for disposal of plaster for the tools and equipment. Hardened material can be disposed only in a mechanical way.

### PACKAGING

**DUCON SKIM COAT – WHITE** is packed in 25kg moisture resistant bags.

### COVERAGE

1.4m<sup>2</sup> per 25 kg bag at 10mm thickness and depends on site conditions.

## CARE AFTER APPLICATION

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

## FINAL COATING / PAINTING

Let **DUCON SKIM COAT** to dry / harden at least 3 days before finishing the surface. **DUCON 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). If you are using a different type of paint, check its suitability with the distributor.

## HEALTH AND SAFETY

Detailed safety and health information as well as detailed precautions are provided in the **DUCON SKIM COAT** safety data sheet.

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## STORAGE & SELF LIFE

12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature / humidity may reduce shelf life.

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