



奧迪美®

SC262

SKIMCOAT (MICROFINISH)

DECORATIVE HIGH STRENGTH SKIMCOAT FOR WALLS AND FLOORS

PRODUCT DESCRIPTION

OPTIMIX SC262 SKIMCOAT (MICROFINISH) is a pigmented cementitious architectural coating for walls and floors. It is designed to be applied by skilled applicators in thin section to achieve the desired colour and texture and then rapidly encapsulated in multiple coats of a proprietary durable non-yellowing resin to achieve the desired appearance.

Available in a bespoke range of pastel colours **OPTIMIX SC262** can be finished with coats of gloss, satin or matt resins which can themselves be pigmented or dosed with metallic and other fillers to achieve an endless array of architectural finishes. On walls it is also suitable for application by hopper gun and/or textured roller to achieve a variety of textured finishes.



TYPICAL USAGE

- Offices, Lobbies, Kitchens, Bathrooms and other common areas
- Dry and Stable Walls, Floors and Ceilings
- For interior and exterior applications onto walls and ceilings

FEATURES AND BENEFITS

- Natural Decorative Finish
- High Strength
- Good Bonding Performance
- Water and Mould Resistant
- Consistent Quality
- Extremely Low VOC and Heavy Metals

TECHNICAL DATA

Product Characteristics	OPTIMIX SC262
Compressive Strength at 28 days	> 25 MPa
Flexural Strength at 28 days	> 6 MPa
Tensile Adhesive Strength at 28 days	> 1.0 MPa
Drying Shrinkage at 28 days	NIL cracks
Thickness per Coat	1 – 2 mm
Number of Coats & Total Thickness (Suggested)	2 coats / ~ 3mm

Environmental Data	
Volatile Organic Compounds (VOC)	≤ 10 g/L
Potential BEAM points	Product is manufactured within 800km of Hong Kong project sites
Packaging Composition	Paper bags incorporating 40% recycled paper

Packaging & Yield	
Wet Density	~ 1,550 kg/m ³
Water Demand	5.3 – 6.3 L
Coverage	~ 1.28 kg/mm/m ²
Packaging (per bag)	25 kg
Shelf Life	12 months

Note: The above are approximate figures and take no account of wastage of any kind.



TESTING METHODS	
Compressive and Flexural Strengths	BS EN 1015 - 11
Tensile Adhesion Strength	BS EN 1015 - 12
Drying Shrinkage (Coutinho Ring)	HKHA MTS (2014/2016) Part D Cl. 2.1.6
VOC Content	USEPA Method 24

Note: The tests were performed according to the national standard or in-house modifications of the corresponding testing procedures.



INSTALLATION GUIDE

(Refer to Method Statement for more details)

SURFACE PREPARATION

The surface should be smooth and levelled according to the final finish required. **OPTIMIX SC262** is a thin coating, < 3mm overall and will reflect surface irregularities in this range.

The surface should be carefully inspected to ensure that it is strong and sound enough to receive additional construction layers. The substrate should be free of rising damp and have a surface moisture content of 5% or less / or less than 75% relative humidity prior to starting works.

Surface should be cool, clean and free from unsound materials, oil, grease and other contaminants. On old surfaces it may be helpful to clean the substrate with water jet and /or scrubbing to remove accumulated grime, dust and loose particles and allow to dry.

Immediately before application, the substrate surface should be inspected to confirm its cleanliness and lightly dampened with clean water to help break any surface tension and help ensure good adhesion.

MIXING

Mix one bag of **OPTIMIX SC262** dry powder with 5.3 – 6.3 L potable water, use the minimum quantity of water necessary to achieve the desired workability. Mechanical mixing using a proprietary mixer or power drill fitted with a suitable paddle is recommended. Mix the material for about 2 minutes or until a lump-free homogeneous mix is achieved. Stop half way through mixing and use a trowel to ensure all powder from the bottom and sides of the bucket are fully combined. Allow the mixture to stand for 5 minutes, then mix briefly again and the material is ready for use.

APPLICATION

Apply the **OPTIMIX SC262** onto the substrate in 2 or 3 coats as follows:

Float the 1st coat of the mortar at minimum thickness of around 1mm to achieve a consistent scratch coat. Work the mortar into the substrate to ensure that it has full contact with the substrate and fills any voids or surface texture. Allow the first coat to dry / firm up a little before applying a second coat.

If aiming for a very flat and smooth final surface the first coat may be lightly abraded to remove any high points.

Carefully float the second coat around 1mm thick to achieve an even finish without damaging or stripping the first coat. Use the minimum of trowelling to achieve the desired surface finish.

If needed a third coat can be applied immediately onto the freshly applied 2nd coat or alternatively after the previous coat has hardened.

The final thickness of the 2 or 3 layers should be around 3mm thick.

FINISHING

Any air bubbles or blemishes at the final layer skimcoat surface can be removed with a careful trowel pass after the surface has firmed up a little. Use very light pressure and take care not to drag the mortar away from or across the substrate as this will damage the bond. Do not add water to the mortar surface, however, if necessary, the trowel can be dampened with a damp cloth to assist in achieving a smooth surface.

If appropriate, a local touch up with skimcoat on the minor surface pin-hole areas can be performed to provide a smooth finishing surface.

Depending on the surface finish required the **OPTIMIX SC262** can be abraded with suitably fine sand paper to remove the trowel marks and achieve an even finish prior to sealing.

Various light textures and finishes can be achieved using light brushing or fabric/sponge rollers if needed, taking care not to damage the surface.

SEALING

Sealing the **OPTIMIX SC262** should be done within a few days after the final application and as soon as the surface moisture content of the skimcoat is < 5% determined using a suitable surface moisture meter (or < 75% RH depending on the testing equipment used).

Seal the surface with several coats of a proprietary tough, impervious resin according to the desired finish and level of decoration.

This will ensure that the surface is 'frozen in time' with sufficient moisture to harden sealed in but preventing movement of moisture through the **OPTIMIX SC262** and thus avoiding surface colour changes.

LIMITATIONS

OPTIMIX SC262 is designed to provide a strong bond to substrate and also to subsequent polyurethane wearing layers but it is a thin coating so its impact resistance and load bearing capability is related to the strength of the underlying material.

OPTIMIX SC262 is highly polymerized ensuring strength, durability and a degree of flexibility, however it is not a crack bridging material. All but the most minor cracks or movements in the substrate will be reflected in the surface.

HEALTH AND SAFETY

OPTIMIX SC262 is alkaline in nature and can cause irritations to persons with sensitive skin. Avoid inhalation of dust and contact with skin and eyes. Wear suitable protective gloves and masks while handling the product. If contact with eyes, rinse immediately with plenty of clean water and seek medical advice. This product is non-toxic and is not flammable.

STORAGE

Store the products in a cool and dry place with the original unopened bags on pallets with plastic wrapping. Protect from direct sunlight, rainfall and exposure to high humidity conditions. Avoid excessive stacking of pallets. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging and reduce shelf life.

ALTERNATIVE PRODUCTS

Other products from the Optimix range which can be used for pre-painting, smoothing and levelling include:

- **SC216** Skimcoat (Fine)
- **SC228** Skimcoat
- **SC273** Skimcoat (Putty For Paint)



Important Note: The information contained herein is, the best of our knowledge, true and reliable and is supported by the present state of our knowledge. No warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives as the conditions of use and any labour involved are beyond our control.