# FineMat SC45

## Advanced Polymer modified Skim Coat

FINEMAT SC480 is a high quality polymer modified cementitious skim coat exclusively designed for wall, ceilings, floor and roof for a fair smooth finish prior to various finishes FINEMAT SC480 provides excellent smoothing finish conforms to the requirements of top class external wall finishing. It is suitable and workable at any global climate conditions and have good adhesion between any substrate to the finishing or decorating top coating. It is easy to use as just add water as required to the given pack.



FINEMAT SC480 is suitable for both exterior and interior applications. Compatible with new and old concrete, wood surface, cement based tiles and terrazzo, cement boards and wide variety of substrates. Compatible with base plaster and a durable base for external and internal finish coatings, sealer, wall paper and cement based decorative finishes.

**FEATURES**

- Bridges substrate crack up to 2 mm
- Smooth top finish
- Crack resistant and Superior Flexibility
- Excellent moisture and water resistance
- Echo friendly
- Superior freeze/thaw resistance
- Excellent salt scaling resistance
- Self-curing and breathable
- UV resistant
- LEED comply product
- Fire resistance – Class 1(Comply with ASTM and EN requirements )

**FIELD OF APPLICATION**

FINEMAT SC45 is used to achieve optimal surface smoothness for interior and exterior wall, ceiling and roof application. FINEMAT SC45 creates a superior smooth base for all kind of finishes including wall paper for interior decorating wall.

| Properties | Typical values |
|---|---|
| Color | Grey or White |
| | (Other RAL colours available on order ) |
| Composition | Mixture of Advanced polymer , cement minerals, organic binders and additives. |
| Service Temperature | -40°C to 60°C |
| Pot life of wet mix | 4 hrs @ 35 °C |
| Density | 2 .0 |
| Compressive strength( EN 12808-3 : 2002 ) | 4.5 N/mm² |
| Adhesion to concrete | 2 N/mm² |
| Crack Bridging | 2mm |
| Root Resistance | No puncture |
| Flammability | Passed |
| Yield | 1kg/m²/mm thickness. |
| VOC | 0% |
| Fungus Resistance | Pass |
| Chemical Resistance | Pass |

engineered to perform

**SURAFCE.PREPERATION**

The proper surface preparation is essential for a successful adhesion. Remove all deteriorated and loose concrete, form release agents, oil, grease, laitance, dust, dirt and efflorescence by dry or wet sandblast, shot blast, or high-pressure water.

**MIXING**

Ideal average ratio is 1:1 with clean water for good workability and optimum performance. The ratio may vary upon the field of application and project requirements and specification. The mixture can be diluted up to 1:3 water for a light tint. For trowel applications mix ratio can be 2:1 water to achieve a workable paste.

Mix in a clean container by slowly adding the powder component to the clean water and mixing with low speed drill and mixing paddle. Gradually add the powder to the mixing liquid while the drill is running. Pot life is 4hrs @ 35°C.

**APPLICATION**

Can be applied conventionally by brush ,roller , spray or trowel. It is recommended to apply by trowel to have an on site quality control

FINEMAT SC480 has excellent high build properties, and can be built up to 2000 micron wet in one application. However from a curing point of view and dependant on weather conditions at the time of application, it is more pertinent to apply and build up the membrane in two or more coats, to allow quicker cure in each stage. The thicker the application the longer the cure. The ideal thickness for proper curing and optimum performance is 1000 micron .

The curing time for average climatical conditions is 12 to 24 hours although dry to touch cure is 30 minutes and minimal traffic possible in 2 to 4 hours.

Clean tools and equipment with water after use.

For flooring applications, epoxy or polyurethane based sealers will be a good option over FINEMAT SC480

**PACKING** : 25 KG Bag

**STORAGE AND TRANSPORTATION**

FINEMAT SC480 when stored on pallets in dry, cool area from moisture and direct sunlight, has a shelf life of 12 months.

**HEALTH and SAFETY**

Keep out of reach of children. Ensure to maintain good ventilation during application and drying process. In case of skin contact, wash with soap and water or a recognized skin cleaner. Avoid contact with eyes. In case of contact with eyes rinse immediately with running water and seek medical advice. If product is ingested drink plenty of water or milk. Do not induce vomiting at any time. Seek medical advice. Refer to the Material Safety Data Sheet (MSDS) for detailed information about the product and transportation and classification criteria.

engineered to perform

ORGANIX BUILDING SYSTEM
Tel: +971 4 3366485, Fax +971 4 3343735
Dubai - U.A.E., E : info@organixbs.com
www.organixbs.com