

TECHNICAL DATA SHEET



RITEFLOR SCREED

Polymer modified cement binder for making high strength, shrinkage controlled, self cured dry mortar.

(Ref : SIPL / TDS / RFS / 0522 / R-02)

❖ Product Description

MYMIX - RITEFLOR Screed is a polymer modified, cementitious dry mortar for screed and multipurpose applications. It is to be mixed with water and aggregates at on site to produce water retaining, self-curing screeds and leveling beds. It has excellent bond on concrete and cementitious surfaces, suitable for making underlayment bed for wet-on-wet fixing tiles and stones.

❖ Special Features

- Polymer modified, single component, high strength dry mortar
- Suitable for internal and external floors
- Suitable on concrete and cement mortar beds
- Superior compressive strength
- Anti-shrinkage, self-curing & water retaining
- Pumpable



❖ Application

- For levelling of undulation surfaces
- For internal and external floors and underlays Suitable for foundations
- Formation of bonded, unbounded, adhered, unadhered, anchored or floating screeds
- Industrial & Commercial applications

❖ Advantages

- Consistent quality due to high quality material used
- Superior adhesion
- Higher compressive strength
- MYMIX RITEFLOR can be applied up to 50 mm thickness. Above thickness of 50 mm multiple layers should be done.
- Economical usage
- Pumpable
- No-Curing and rapid drying

❖ Suitable Substrates

- Concrete surfaces
- Existing PCC & IPS
- Cement Mortar Beds

❖ Coverage

- For reference please review mixing ratio chart

❖ Packing

- Available in **25 Kg** Bag

❖ Shelf Life

- Factory sealed packs are best before 12 months from the date of manufacturing in unopened condition and stored in cool & dry area

❖ How to Apply

Surface Preparation

- Any deep defects on the surface should be repaired first
- The surface should be clean and free from dirt, oil or grease before applying the **RITEFLOR** Screed
- For better bonding; concrete surface should be roughed adequately or use MYMIX SBR Latex Slurry bond coat prior to make screed application

Mixing

- Add **MYMIX - RITEFLOR** Screed with upto 8mm aggregates in the ratio of 1: 4 by volume and water (the water percentage is depending on humidity content in the aggregates)
- Ensure the aggregates size matrix distribution is uniform (up to 8mm). The aggregates must be free from clay, dust or fine silt content
- Mix the material by hand or in concrete mixer machine for atleast 5-10 minutes for homogeneous mixture. Ensure that no powder, lumps particle and unmixed material left in mixture.
- If any bond coat or slurry coat is applied, place the wet screed material while the bond coat or slurry coat is in semi dry or tacky condition.

Applications

- Spread the mixed material on floor surface for levelled and compact properly to check the required levels in floor.
- Use appropriate surface levelling device to generate floor levels
- The applied surface should be left for at least 48 hours for curing prior to lay tile or stones or etc.
- Subsequent application can be started after 48 hours
- For wet-on-wet tile installation method, use suitable adhesive slurry and fix the tiles when the base screed is in wet condition .

❖ Mixing Ratio Chart

Particulars	Riteflor Screed	Aggregates (upto 8mm)	Coverage (sft)
EN 13813	Kg	Kg	for 25 mm thickness by volume
1 : 3	25	100	32
1 : 4	25	125	36
1: 5	25	150	42
1 : 6	25	190	50

(10-12 % of water to the total mix of design)

RITEFLOR Screed can be applied up to 50 mm thickness. Above thickness of 50 mm multiple layers should be done.

❖ Technical Data

General Properties

Sr. No.	Testing Parameters	Results
1	Mixing Ratio	10-12% of water to the total mix (RITEFLOR SCREED and Aggregates) by weight
2	Colour	Grey
3	Potlife	4 Hour
4	Time to Heavy Traffic	72 Hours

Physical Properties

Sr. No.	Testing Parameters	Results
1	Compressive Strength	
1.1	@ 7 day	8 -12 N / mm ²
1.2	@ 28 day	24 -28 N / mm ²
2	Flexural Strength @ 28 day	4 - 5 N / mm ²
3	Dry mortar Bulk Density (without aggregates)	1500 to 1600 kg / m ³
4	Temperature Resistance	-4°C to 50°C

❖ Precautions

- Keep out of reach of children
- Wear suitable protective cloths, respirator and gloves
- In case of contact with skin/eyes, wash immediately with plenty of water & seek medical help

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The information given in this TDS is for general guidance only. Specific instruction for various site conditions can be provided on demand.

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