

rapidfloor-m

Self Leveling Overlayment / Underlayment

Technical Data Sheet

RAPIDFLOOR is a single component proprietary blend of powders based on Microcrystalline technology mixed with graded sand that is water activated and used as underlayment to provide a smooth surface which can accept various floor coverings including wood, vinyl sheet and carpet as little as 24 hours.

It provides a durable, flat, smooth floor surface with minimum labor and installation time. It is pourable or pumpable when mixed with water and seeks its own level to produce a smooth, flat, hard surface.

Rapidfloor leveled surface can be ground and polished to a high gloss finish after 24 hours of placement. It can be walked on after 2 hours and be coated after 24 hours.

FEATURES

- Quick setting and Non shrink
- High early strength
- Walkable in 3 hrs
- Can accept floor coverings in as early as 24 hours
- Superior bond strength with concrete
- Can be installed for a thickness ranging from 3 mm to 50 mm. For applications requiring more than 10 mm thickness Rapidfloor can be extended with clean aggregates



TECHNICAL DATA

Compressive Strength	4 Hrs : 15 Mpa 24 Hrs : 20 Mpa 28-days: 40Mpa
Bond Strength to Concrete	3.5 Mpa @ 28 days
Shrinkage	None
Flexural strength	6 Mpa @ 28 Days
Fresh Mortar Density	2100 kg/m ³
Flow Time	15 minutes
Initial setting time:	40 Minutes at 30 deg C
Final setting time:	1 Hour at 30 deg C
Coverage	2 sq.ft. @ 3 mm thickness / kg.

USES

Rapidfloor is used to level floors to provide flat and smooth surface prior to installing ceramic tile, carpet, resilient flooring, athletic floors, wooden parquet, etc. It produces a wear surface suitable for commercial and industrial areas including warehouse floors, parking garages and utility areas.

SURFACE PREPARATION

Concrete floors must be dry, structurally sound, clean, free of dust, dirt, wax, oil, grease, asphalt, mastic, latex compounds, paints, adhesives. Repair deep areas, holes and cracks with TECHNOFIL (Instant Crack Filler) or GEOKRETE – PR (Rapid Setting Repair Mortar) prior to application of Rapid floor.

MIXING GUIDELINES (at 30°C)

Use about 6.0 to 6.5 liters of water for 25kg of powder. Mix the slurry using a mixer blade rotating @ 500 to 800 RPM. Initially the mixture may appear dry but do not add excess water. Keep mixing for about 3 minutes until a pourable lump free slurry is formed. At this point pour the mix in application area

PACKING

25 Kgs

STORAGE LIFE

Shelf life 12 months from the date of manufacturing if store in unopened original packing out of direct sunlight, clear of ground on pallets protected from rain / moisture.

SAFETY

Use of dust mask, safety goggles and gloves are recommended. Wash off the equipment immediately as the material tends to set fast.

DISCLAIMER: The use of this product is beyond the manufacturer's control and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. Specifications are subjected to change without notice.

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