

ECMASCREED 415

Smoothing and Leveling Compound

Description

ECMASCREED 415 contains high quality synthetic resins, special cements and selected fillers when mixed with water, a mortar with free flowing properties is produced. The mixed mortar can be applied up to a maximum thickness of 10 mm in one application or 20mm in two applications but will more normally be applied at 3 -10mm. For smoothing applications ECMASCREED 415 can be applied at minimum 1.5mm thickness.

Areas of Application

- Used to level and smooth uneven internal sub floors such as concrete, cement / sand screed, tiles, etc. prior to the installation of finished flooring
- It is ideal for use in interior floor screeds.
- It can be applied on cement mortar and concrete surfaces.

Advantages

- Requires only addition of water at site
- Easy to use
- Excellent bond strength
- High compressive strengths
- Excellent surface hardness
- Fast drying for early utilization
- Highly durable
- Can be pump or trowel applied

Technical Specification

Appearance and Physical State	Grey Powder
Pot Life at 30 °C	20 Minutes
Flow Time at 30 °C	15 Minutes
Initial Setting Time	40 Minutes
Final Setting Time	60 Minutes
Additional Layers	After 24 Hours
Walkable Time	After 3 hours for 5mm layer @ 30 °C
Coverage	5-6 kg /m ² /3mm thick
Minimum Thickness for smoothing	1.5 mm
Maximum Thickness	20 mm,10 mm in each coat
Compressive Strength	1Day >5.0 N/mm ² 7 Days >22.0 N/mm ² 28 Days > 30.0 N/mm ²
Tensile Strength 28 Days	>5.5 N/mm ²



Application Instruction

Surface Preparation

Before laying ECMASCREED 415, it is important to remove all loose particles, residual paint, oil, rust, dust, and other impurities. If salt efflorescence is present, jointing must be raked to a depth of 20mm. The surface should be thoroughly cleaned with suitable equipment such as high pressure air, water, or wire brush. Water absorbent surfaces should be well moistened with water before application. A trial application is recommended to assess suitability.

Priming

On absorbent surfaces ECMACOAT ACRYPRIME is used as a priming layer. Priming is mandatory especially onto very absorbent sub-floors such as concrete or cement/sand screeds. Primer is used to seal pores, prevent air bubbles from rising through the applied mortar, to maintain floor life and also to promote excellent uniform adhesion to the substrate.

Mixing

Add 4.5 to 5 liters of clean water to a 25kg bag of ECMASCREED 415, depending on site conditions. Mix using mechanical mixer. Always add correctly measured water to a clean mixing bucket. Then take ECMASCREED 415 powder and add measured water with stirring slowly. Mix steadily and thoroughly until a lump-free mortar is produced. Approximately two minutes mixing scrape down the sides and around the bottom of the bucket to ensure no deposits of dry powder. Continue mixing for another minute until an even consistency is achieved.

Application

Pour ECMASCREED 415 mortar onto the primed substrate and use a steel finishing trowel to spread the mortar and finish off. The mixed mortar will flow out and self-smooth within the first 15 minutes of its 20 minutes working time. A 5mm layer of ECMASCREED 415 will be walkable after approximately 3 hours at 30 °C. Apply at surface temperatures to 5-35 °C.

Packaging

25 Kg Bags

Shelf Life

06 Months in original unopened sealed condition.

Storage & Handling

Material should be stored in Cool and Dry shade. Also protect it from Direct sunlight. Please do not use hook and handle carefully during transport.

Safety Precautions

Wear all PPE's at the of Application like Safety boot, Safety Goggle, Hand Gloves, Mask and avoided with contact of Skin and Eyes. Any direct skin contamination with the hardeners should be washed off immediately with soap and water.

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