



EUCO SC LEVELTOP

Portland cement-based floor screed

DESCRIPTION

EUCO SC LEVELTOP is a Portland cement-based floor screed that only requires the addition of water to create an easily spreadable mortar. It can be applied in a single layer with a thickness ranging from 20 to 60 mm. It consists of Ordinary Portland cement, processed mineral aggregates and special additives for performance improvement.

PRIMARY APPLICATIONS

- Screed for rough and irregular concrete base

FEATURES / BENEFITS

- Requires only the addition of water before use
- Saving time and labor
- Suitable for 20-100mm thickness
- Self-compacting mortar
- Excellent workability

TECHNICAL INFORMATION

The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions

PROPERTY	RESULTS
PHYSICAL STATE	DRY MIX GRANULAR MORTAR
BINDER	ORDINARY PORTLAND CEMENT
COLOUR	LIGHT GREY
DENSITY	DRY – 1.55KG/LTR, WET – 2.0KG/LTR
SIZE OF AGGREGATE	0 – 2.0MM
WATER REQUIREMENT	APPROX 12%
WORKING TIME	> 60 MINUTES MIN. 72 HRS BY PORTABLE WATER (3-4 TIMES A DAY)
CURING	
COMPRESSIVE STRENGTH	30 N/MM ² AT 28 DAYS
FINAL SETTING TIME	4 HOURS AT 27°C AND 55% RH
PACKING	50KG PAPER BAG

Standards BS 4551, DIN 1164, ASTM C 348, 349, C 109/CM-01

SHELF LIFE

12 months from the date of manufacturing when stored under dry conditions

PACKAGING / YIELD

50kg paper bag/ ~28 liters @ 12% water

DIRECTIONS FOR USE

Surface Preparation: The floor to be screeded must be free of dust, loose materials, plaster, loose cement, grease, oil, and any other foreign substances. Smooth concrete should be hacked to expose at least 70-80% of the surface. Prewet the entire surface 5-6 hours before applying the floor screed, then remove any excess water and allow the surface to dry. Apply a coat of cement and EUCO SBR LATEX bonding agent to enhance the bond between the concrete and the screed.

Mixing: For manual application, mix one 50 kg bag of floor screed with 6.5 liters of clean potable water. Use an electric stirrer for mixing. Begin by placing most of the water in the mixing container, then slowly add the screed while mixing with an electric drill equipped with a spiral mixing paddle at 300-400 rpm. Once the mix is free of lumps, add the remaining water and mix until a uniform consistency is achieved. Do not use hand-mixed or partially set mortar. Always use clean tools for mixing.

Application: Pour the mixed mortar onto the primed surface within 20 minutes of applying the bonding coat. Spread to a thickness of 20-60 mm at a time and level with a notched trowel, pin screed, or similar tool. For large areas, divide the surface into equal 4 x 4-meter panels to prevent shrinkage cracks. Do not apply EUCO SC LEVELTOP thicker than 60 mm at once. For greater thickness, apply in multiple layers, waiting at least one day between layers. Scratch the base layer surface with a notched trowel to ensure proper bonding between layers. The screeded surface will be ready for light foot traffic after 30-48 hours, depending on ambient conditions, but avoid heavy traffic for at least one week.

Curing: Keep the surface moist for at least 7 days. If possible, cover the surface with polythene to retain moisture.

LIMITATIONS

Protect the surface of freshly laid material from direct sunlight and draughts. Air blowing across the surface of the freshly laid material should be prohibited. It may cause cracking of the screed due to rapid drying. Application and performance of EUCO SC LEVELTOP may be affected by harsh weather conditions such as strong wind, sunshine, hot weather, and rain. Hence all possible protective measures should be adopted during the application of EUCO SC LEVELTOP. Prism International LLC will not be responsible for any claim arising out of non-performance of the product due to incorrect application procedure or usage of product for non-recommended purposes. Please contact Stoncor ME technical team for more details on application of EUCO SC LEVELTOP for purpose other than mentioned above. Application of the product should be done according to the procedure mentioned in this leaflet. Stoncor ME will not be held responsible for any claim arising out of non-performance of the product due to incorrect application procedure or usage of product for non-recommended purpose. Please contact Stoncor ME technical team for more details on application of the product for purpose other than mentioned above or on the surfaces with special construction

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