

TectorFloor

Floor Screed 453

Description

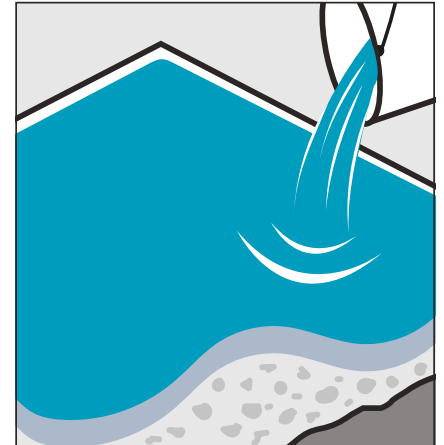
Tector Floor Screed is a Portland cement based screed for floors. It requires only the addition of water to produce an easily spreadable mortar. It can be applied in 20–60 mm thickness in single application.

Composition

Ordinary Portland cement, processed mineral aggregates and special additives for performance improvement.

Features & Benefits

- Screed for rough and irregular concrete base
- Requires only the addition of water before use
- Saves in time and labour
- Self compacting mortar
- Excellent workability
- Suitable for 20-60mm thickness



Method of Application

Surface Preparation:

The floor under screeding must be free from dust, loosely adhering material, plaster, loose cement, grease, oil or and other foreign material. Smooth concrete must be hacked to at least 70-80% of the total concrete surface. Prewetting of all type of surface must be done 5-6 hours before the application of floor screed. Remove the excess water and allow the surface to dry. Apply sand, cement, SBR, slurry as a bonding bridge.

Mixing:

For manual application one bag of 50 kg floor screed must be mixed with 6 liters of clean potable water. Mixing should be done with the electrical stirrer. Place most of the mixing water in the mixing container then slowly add the contents of the bag whilst mixing using an electric drill with spiral mixing paddle and 300-400 rpm speed. When the mix is free of lumps, add the remainder of the mixing water and mix again until a uniform mix is obtained. Hard and partially set mortar should never be used. Always use clean tools for mixing.

Application:

Pour the mixed mortar on to the previously primed surface within 20 minutes of the application of bonding coat and spread to a thickness of 20-60 mm at a time and level with notched trowel, pin screed or similar equipment. For application on large area the surface must be divided in equal panels of 4 X 4 mtr to avoid shrinkage cracks. Tector Floor Screed must not be applied greater than 60 mm thick at a time. Where more thickness is required it should be applied in more than one layers. The second layer should be applied after a minimum period of one day. In multi-layer application the surface of the base layer should be scratched with the help of notched trowel for perfect bonding between two layers. The screeded surface becomes ready for light foot traffic after 30-48 hours depending on ambient weather conditions. However, heavy traffic must be avoided for atleast one week from the time of laying the screed.

Curing:

Continuous curing for 7 days is recommended.

Precautions & Limitations

Protect the surface of freshly laid material from direct sunlight and wind. Air blowing across the surface of the freshly laid material should be prevented. It may cause cracking of the screed due to rapid drying. Application and performance of Tector Floor Screed 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 Tector Floor Screed. Please contact tector technical team for further assistance.



Application of the product should be done according to the procedure mentioned in this data sheet.

Technical Information

Properties	Results
Physical state	Dry mix granular mortar
Binder	Ordinary Portland Cement
Colour	Light Grey
Size of Aggregate	0 – 2.0mm
Density	Dry – 1.55kg/ltr, wet – 2.0kg/ltr
Water requirement	Approx 12%
Approximate yield	540ltr per ton
Working time	> 60 Minutes
Curing	Min. 72 hrs by potable water (3-4 times a day)
Compressive strength	30N/mm ² at 28 days (25N/30N/40N available)
Flexural strength	3.0N/mm ² at 28 days
Final setting time	4 hours at 27°C and 55% RH
Packing	50kg paper bag
Storage & Shelf life	12 months from the date of manufacturing when stored under dry conditions
Applicable standards	BS 4551, DIN 1164, ASTM C 348, 349, C 109/CM-01



Health & Safety

TectorFloor Floor Screed has no specific health hazards. It is non toxic but contains Portland cement, which after mixing with water becomes strongly alkaline and may cause skin irritation if exposed to such condition for a long time. Avoid inhalation of dust and in case of contact with eyes and skin, wash with plenty of clean water and take medical help if required. Work in well ventilated condition and use protective kits such as mask, gloves and spectacles. Keep the material out of the reach of children.

The above technical data are based on controlled laboratory conditions. However, there may be some variation in yield and coverage depending on the ambient weather and site conditions.



Wear gloves



Wear goggles and respirator mask



Do not swallow, do not inhale



GHS05



GHS07



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