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SCHEDA TECNICA



AS 270 Rapid Plus

FAST-SETTING SPECIAL READY
SCREED



PRODUCT

High-performance ready-mixed cement screed (**CT**), ready to use, with controlled shrinkage and fast drying (24 hours). Suitable for heated floors.

CHARACTERISTICS

Excellent workability and easy to use both with manual operation and with the pump pressure, does not require the retrieval of the aggregates. Good compressive strength (**C30**) and flexural one (**F8**), reduced drying times and shrinkage, allowing the installation of ceramic and similars after only 6 hours and of parquet after 24 - 48 hours.

WHERE TO USE

Production of cement screeds for indoor - outdoor environment for laying with adhesive, of ceramic tile, porcelain tile, brick, natural stone, parquet, carpet, vinyl and rubber flooring. Suitable for heated floors.

SUPPORTS

Of all types, well clean, solid and dry (R.H. ≤ 2%) free from phenomena of rising damp.

CONSUMPTION

14 - 17 kg/m² for each cm of thickness.

PACKAGING

25 kg bags on pallets of 1500 kg.

STORAGE

It can be stored 12 months in a dry place in original packaging.

ITEM SPECIFICATIONS

The internal or external screeds must be made with specific cement based product which has a compensated shrinkage and a medium quick drying, as for AS 270 Rapid Plus by Edilcol-Italia, to be mixed with water and it must have a compressive strength ≥ 30 N/mm², a resistance bending ≥ 8 N/mm² residual moisture $\leq 2\%$ after 28 days.



Cert. n. 27395-2008-AQ-ITA



Cert. n. 1982-CPR-059/471



Polizza n. 70023

PREPARATION

- Ensure that the supports are clean, consistent and dry (of relative humidity <2%).

Anchored screeds (2,0 to 8,0 cm):

- Place along the perimeter of the walls and of the pillars a compressible tape with height equal to that of the screed to make and thickness of about 0.5 cm;
- Apply with a flat brush an anchoring grout (1 part cement mixed with 1 part of "Nuovo Fix '82" previously diluted with water to 50%) before laying the fresh screed on fresh.
- Mix one bag of AS 270 Rapid Plus with about 2.0 to 3.0 liters of water, either by hand or by machine, until to have a plastic paste to "wet sand" effect.
- Lay and level the product obtained with a straight edge, then finish with a trowel or a rotating disc machine.

Floating screeds (minimum 4.0 cm)

- Lay over the entire surface some upright polyethylene sheets along the walls and with joints sealed with adhesive tape;
- Place along the perimeter of the walls and of the pillars a compressible tape with height equal to that of the screed to make and thickness of about 0.5 cm.

RECOMMENDATIONS

If in presence of pipes, insert a thin mesh between the screed and the polyethylene sheet. Air the rooms after the laying, avoiding accidental wetting. Do not add other products to AS 270 Rapid Plus mixture and do not mix or add water to the product during the setting phase.

Mix the product with the correct quantity of water. Do not wet the surface of the screed made with AS 270 Rapid Plus.

Make sure that the foundations are not subject to phenomena of rising damp, in this case install a suitable waterproof membrane.

The setting times and drying depend on the temperature.

Avoid application at temperatures below +5°C to +35°C.

Wash thoroughly the working tools after use.

Although the details contained in this product report correspond to the best of our current experience, all the above information must be confirmed after practical applications. Anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application: in every case, the user alone is fully responsible for any consequences deriving from the use of product. The values given in the technical data derived from tests conducted in laboratory, in a controlled environment, so they may be

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Appearance:	Grey powder
Composition:	cement, selected aggregates, resins, additives
Particle size:	≤ 3 mm
Application temperature:	+ 5°C / + 35°C
Mixing water:	≈ 9,0 - 10,0 %
Pot life:	≈ 1 hour
Set to light foot traffic:	≈ 3 hours
Laying of ceramic tiles:	≈ 6 hours
Laying of parquet, carpet, plastic, rubber, linoleum	≈ 24 - 48 hours (R.H. of the screed <2%)
Humidity resistance:	excellent
Resistance to aging:	excellent
Resistance to alkalis and acids:	low
Resistance to solvents and oils:	excellent
Compressive strength:	(7 days) ≥ 25 N/mm ² (EN 13892-2)
Flexural strength:	(7 days) ≥ 7 N/mm ² (EN 13892-2)
Compressive strength:	(28 days) ≥ 30 N/mm ² (C30) (EN 13892-2)
Flexural strength:	(28 days) ≥ 8 N/mm ² (F8) (EN 13892-2)
Residual moisture:	(2 days) ≤ 2,0 %
Reaction to fire:	Class A1 (EN 13501)
Contribution to smoking:	none
Hazard classification:	none (EC 99/45)