

FM RAPID 180



DESCRIPTION

Cement-based, fast drying adhesive, for the adhesion of ceramic, gres porcelain and other tiles.

CLASSIFICATION OF PRODUCT

FM RAPID 180 is classified as C2F according to EN 12004, base C cement, 2 improved adhesion strength, F fast final drying.

PRODUCT PROPERTIES

- For indoor and outdoor use.
- For moist and dry areas
- Good workability
- For fixing ceramic, gres, porcelain tiles.
- For fixing ceramic, gres and porcelain tiles in gypsum surfaces, after it is treated with FM PRIMER.

RECOMMENDATIONS FOR USE

FM RAPID 180 is used for laying ceramic, gres and porcelain tiles, and tiles of different dimensions on various surfaces such as: concrete, isolating coatings, cement, plaster, old tiles, etc. This product is suitable for indoor and outdoor use. FM RAPID 180 can also be applied in deformable surfaces, such as: gypsum or wood tiles, under- floor heating, where it is reinforced with ADMIX S2 additive; which improves technical adhesive parameters.

TECHNICAL DATA

Form:	Powder
Colour:	Grey
Water demand:	7 l/25 Kg bag
Application temperature:	from +5°C up to +35°C
Application thickness:	up to 10 mm
Pot life:	minimum 1 hours
Open time:	minimum 30 min
Grouting on wall:	After 2-3 hours
Grouting on floor:	After 5-6 hours
Adhesion strength after:	
• 6 hours:	$\geq 0,55 \text{ N/mm}^2$
• 28 days:	
• Normal condition:	$\geq 1,50 \text{ N/mm}^2$
• Heating reaction at +70°C:	$\geq 1,75 \text{ N/mm}^2$
• After water immersion:	$\geq 1,65 \text{ N/mm}^2$
• After freeze-thaw cycles:	$\geq 1,62 \text{ N/mm}^2$
Temperature resistance:	from -30°C up to +90°C

SURFACE PREPARATION

Cement-based traditional supports should have a sufficient maturity time (28 days in temperature 23°C and U.R 40%). Supports should be flat, stable and in function of intended use. The support where the product will be applied should be clean and free of external materials, such as: paints, oils, varnishes, anti-adhesion materials. The surface can be cleaned mechanically or manually. Before applying the product, mature the surface for at least one week for it to reach 1 cm thickness. The supports should be mechanically stable, in function of intended use.

APPLICATION OF PRODUCT

For a better application of the product, and for a good and uniform spread, it is recommended that you first lay the product on the support through the straight blade of the trowel, and then through its notched part. The product should be applied with a suitable trowel, depending on the type and dimensions of the tile. It is recommended that after laying the tile, you put pressure on it so that the back part of the tile gets completely saturated. Special conditions, such as: high temperatures or strong winds, sun or substrates with a high absorption of water, affect negatively the performance of the product and can even decrease significantly the spreading and correction time. To avoid these problems, it is recommended to sprinkle the support with water before the application of the adhesive, or to treat it with the liner FM PRIMER. However, in any case, before laying the tiles, it is important that you check if the adhesive has created a "skin". In such cases, you should re-spread the adhesive in order to re-activate its adhesive strength. You should avoid pouring water on the adhesive which has created a "skin" (if solidified) because in such a case, an anti-adhesive layer is created. When applying the product in outdoor environments, it is recommended that you spread the product in the back part of the tile and also on the support, to avoid the creation of empty spaces where water can penetrate, which can cause the tiles to detach or break.

PACKAGING

25 Kg paper bags

STORAGE

12 months, if preserved in normal environment and in its original packaging, protected from the direct exposure to sun and frost.

CONSUMPTION

4- 5 Kg/m²

HEALTH AND SAFETY INFORMATION

Keep out of reach of children. In case of contact with the eyes or swallowing, please seek medical advice immediately and show the contents of the container. Do not dispose the product into drains.

