

Hammerfast RM-900 Y

Technical data sheet

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Description

Polymer reinforced, cement based high performance adhesive mortar with reduced slip, improved additional properties, extended open time.

Advantages

- High adhesion strength,
- Easy to use,
- Reliable in large coatings,
- Resistant to temperature changes and heavy pedestrian traffic,
- Used indoors (horizontal) and outdoors,
- Water and frost resistant (after curing).

Application areas

İç ve dış mekân yataydaki uygulamalarda, doğal granit, porselen seramik, büyük ebatlı seramik, mermer döşeme elemanları, kotto, klinker gibi kaplama malzemelerinin yatay ve düşeyde uygulanmasında, eski seramik ve mermer üzerine uygulamalarda, beton, sıva, şap gibi yüzeyler üzerine uygulamalarda, yoğun yaya ve yük trafiğinin olduğu alışveriş, iş merkezleri, hastane, okul gibi mekânlarda kullanılır.

Application limits

Mixing ratio	6,00-6,50 L water
Application Temperature	5°C / +35°C
Temperature Resistance	-20°C / +80°C
Maturation time	1-2 min.
Pot Life (at 200C)	3 hours
Open time	30 min.
Grouting time	24 hours
Availability time	24 hours

At 20 °C and 65 % relative humidity, depending on the type of floor covering and the absorbency of the substrate.

Surface preparation

Used in the horizontal application of coating materials such as natural granite, porcelain ceramics, large-sized ceramics, marble, cotto, clinker indoors and outdoors, and in applications on old ceramics and marble.

Application

Hammerfast RM-900 Y is mixed with 6,0-6,5 L clean water for 25 kg bag at suitable temperature (+5 °C / +35 °C), with the help of low speed mixer or trowel for 2-3 minutes until a homogeneous mixture is formed. After resting for 1-2 minutes, the application is started by gently mixing again.

Hammerfast RM-900 Y should be applied by pressing on the surface to be applied and then combed with a toothed steel trowel, the thickness of which is selected according to the dimensions of the material to be adhered. Adhesion on the notched mortar must be completed within 30 minutes at the latest. If this period is exceeded for any reason, the applied adhesive mortar should be removed from the surface. For a good adhesion, the air should be expelled with the help of a rubber hammer. If a film has formed on the surface during the application, that part should be combed again, and the application should not be made on very hot or frozen surfaces that have been exposed to the sun for a long time. For wall and floor applications, for ceramics and granites larger than 20x20 cm, mortar should be applied both to the surface to be applied and to the back of the material to be adhered. The prepared mortar should be consumed within a maximum of 3 hours. Joint gaps can be filled with Hammerfuga joint filler after waiting for 24 hours.

Storage and shelf life

12 months from date of manufacture when stored unopened and undamaged in a dry, moisture-free environment, away from direct sunlight and temperature between +10 °C and +35 °C. Packages should be kept tightly closed when not in use. Packages should be protected against frost.

Packing

25 kg bag.

(1 Pallet = 60 bags = 1500 kg / Pallet sizes (80x120 cm, h=100 cm))

Technical specifications

Color and appearance	Gray fine powder
Class	C2TE
Open hold tensile adhesion	≥ 0,5 N/mm ² (EN 1346)
Initial tensile adhesion	≥ 1 N/mm ² (EN 1348)
Water immersion tensile adhesion	≥ 1 N/mm ² (EN 1348)
Freeze-thaw tensile adhesion	≥ 1 N/mm ² (EN 1348)
Heat aging tensile adhesion	≥ 1 N/mm ² (EN 1348)
Slip	≤ 0.5 mm (EN 1308)
Fire class	Class A1

Consumption

Ceramic Sizes	Trowel Dimension	Consumption
120 cm ²	6x6x6 mm	One-sided bonding 4 kg/m ² Double-sided sticking 5-6 kg/m ²
120-500 cm ²	8x8x8 mm	One-sided bonding 5 kg/m ² Double-sided sticking 6-7 kg/m ²
500-3500 cm ²	10x10x10 mm	One-sided bonding 5-6 kg/m ² Double-sided sticking 7-8 kg/m ²

Points of attention

- Do not inhale, avoid contact with skin and eyes.
- Do not add extra water or additives to the mixture afterwards.
 - After mixing the product, it should be used within the pot life. Products that have expired during the application should never be used.
- During and after the application, the surface should be protected from air currents and contact with water should be prevented.
- Not applied to metal surfaces.
- Care should be taken not to expose the material to direct sunlight in hot weather and the mixture should be made with cold water.
- Application should not be made on extremely windy or hot surfaces exposed to direct sun. If there is an obligation to apply in these environments, the environment and surface should be prepared before starting.
- Application should not be made in rainy weather, the application surface should be protected from rain for 24 hours.
- Should not be applied on surfaces where there is a danger of frost within 24 hours, frozen or melting frost.

Safety Precautions

- Use appropriate safety equipment (mask, gloves, glasses).
- Protect your eyes/face.
- Avoid direct contact with eyes and skin.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention.
- Please read Material Safety Data Sheet (MSDS) for further safety information.

Cleaning of tools

After the application, wash all equipment used before drying with warm water.

Quality certificates

- TS EN 12004:2007+A1 (10.04.2013)
- ISO 9001:2015
- CE



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