

Hammerfast RM-150 I

Technical data sheet

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Description

Cement based, polymer modified, fiber reinforced, high performance ready fine repair mortar that can be applied up to 5 mm thickness.

Advantages

- Thixotropic properties.
- Resistant to water and frost after dryness.
- Easy to apply.
- Water permits steam permeability.
- Fireproof.

Usage areas

- On the inside and outside of all structures,
- Repair of gross concrete surfaces,
- In walls and ceilings,
- Installation of concrete construction elements and repair of edges and corners,
- It can be used as repairs, filling of gaps and repair plaster before application of coatings.

Application limits

Water demand	6,50-7,00 L water/25 kg powder
Application temperature	+5 °C ile +30 °C
Application thickness	2-5 mm (Single floor max. 5 mm)
Soaking time	3 minutes
Pot life	≥ 60 minutes
Wait between layers	3-4 hours
Fully cured	28 days

* 23±2 °C temperature and 50±5% relative humidity.

Surface preparation

The surface to be treated must be dry, clean, free from dust and grease. If there is a loose layer on the surface where repair mortar will be applied, it should be removed and cleaned with a wire brush.

Application

About 6,50-7,00 L clean water is added to the repair mortar and mixed with the help of a trowel or low speed mixer. The mixture is allowed to stand for 2-3 minutes before application. The prepared mixture is applied with steel trowel. After the repairs are finished, the repaired parts should be moistened before the surface is plastered. If more than one layer is to be applied, the surface should be wetted for at least 3 hours for the next layer and before the next layer is applied. If surface smoothness is desired, sponge or plastic trowel should be used.

Consumption

1,50 kg/m² (for 1 mm thickness)

Technical specifications

Color	Gray and White
Content	Cement based, polymer reinforced
Bending strength	≥ 5 N/mm ² (28 days)
Compressive strength	≥ 35 N/mm ² (28 days)
Adhesion strength	≥ 1 N/mm ² (28 days)
Fire class	A1

Points of attention

- Care should be taken that the ambient temperature during application is between +5 °C and +30 °C.
- It should not be applied under direct sunlight or strong wind.
- The usage period should not be mixed again with past mortar, water or dry mortar.
- It should not be applied to frozen surfaces.
- Gas concrete is not applied to old painted, plastered, stone and stone wall surfaces.
- The thickness of the repair mortar layer formed on the surface must not exceed 10 mm.
- The excess water involved in the mixing will bring about a reduction in strength.

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.

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 bags
1 pallet = 60 bags = 1500 kg
Pallet measures 80 x 120 x 100 cm

Cleaning of tools

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

Quality certificates

- ISO 9001:2015
- TSE (TS EN 1504-3)



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