



Rapidit

ULTRA-RAPID SETTING AND HARDENING MINERAL MORTAR, GUARANTEED FOR HIGH RESISTANCE ULTRA-RAPID PROCESSING AND FIXING OR FOR SMALL GROUTING JOBS. PUT INTO SERVICE ONLY 2-3 HOURS AFTER APPLICATION. FOR INDOORS AND OUTDOORS.



TECHNICAL DATA SHEET - REV. 01/2024

DESCRIPTION

RAPIDIT is an ultra-fast setting and hardening mineral mortar composed of high-strength cements and special additives. Mixed with water, it turns into a mix with excellent workability, thixotropic effect, can also be applied vertically without the risk of dripping, and is free of special shrinkage during hardening. RAPIDIT has an initial setting time of approximately 4-5 minutes and, thanks to its fine composition and rapid hardening, allows for easy application, fast finishing and quick commissioning of the structure, achieving high mechanical strengths in a very short time. After complete hardening, it exhibits waterproof characteristics and resistance to freeze-thaw cycles.

FIELDS OF APPLICATION

RAPIDIT is used for the rapid fixing of window frames, profiles, corner guards, electrical, plumbing and heating systems, junction boxes, pipes, posts, railings, metal fences and fixing brackets. It is also suitable for sealing small cracks or fissures and for blocking small water infiltrations in pipes or sewers.

SUBSTRATE PREPARATION

The substrates must be perfectly solid, compact, free of crumbling or inconsistent parts, without any dust and greasy substances, oil, paint, wax and any material that could compromise perfect product adhesion. Highly absorbent surfaces or those exposed to bright sunlight must be wetted down before application.

APPLICATION

To prepare the mix, use approx. 200 grams of clean water with 1 kg of RAPIDIT. Mix quickly with trowel or spatula until a homogeneous, lump-free mixture is obtained. In view of the speed of setting, it is advisable to prepare usable quantities within 2-3 minutes at a time. For fastening tie rods, hinges or clamps, fill the prepared slot with RAPIDIT paste, then insert them quickly.

For the installation of window or door frames, position and fix the element with wooden wedges and then fasten the anchor bolts with RAPIDIT mix. For thick applications, proceed with successive applications once the first coat has sufficiently cured, while keeping the surface moist during the first hardening. In any case, finish the surface with a trowel.

YIELD

1,8 Kg/m² per cm.

RECOMMENDATIONS

- ◆ RAPIDIT is a cementitious product and, as such, all precautions for proper curing must be observed.
- ◆ Do not remix the product once setting has begun and do not overdose with water to lengthen the working time, as this would drastically reduce the final mechanical strength.
- ◆ Do not add other materials such as cement, lime, gypsum.
- ◆ High or low temperatures may affect the final curing time, shortening or extending them considerably.

- ◆ Do not use RAPIDIT for repairing degraded concrete, for anchoring or for structural fastening.
- ◆ Wash all the equipment used for preparation and application of the product with water before it hardens. After setting, the mortar can only be removed mechanically.

PACKAGING

RAPIDIT is available in 25 kg polyethylene coated paper bags on 1500 kg pallets and in 5 kg cases on 900 kg pallets. Store the product in a dry place and in its original packaging, well closed. In these conditions its stability is of at least 12 months.

SAFETY INSTRUCTIONS

The product contains cement that on contact with body perspiration produces an irritant alkaline and sensitising reaction for the skin. Use suitable clothing, gloves and protective glasses. Consult the Safety Data Sheet for more information to use the product safely.

SPECIFICATIONS

High resistance extra-rapid processing or for performing small grouting with ultra-rapid hardening mineral mortar and hardening, **RAPIDIT** type by Colmef Srl.

TECHNICAL DATA

Appearance:	powder
Colour:	grey
Apparent specific weight (kg/l):	1.16
Specific weight of the mixture (kg/l):	2.10
Mixing ratio in weight:	100 g RAPIDIT with 20-21 g water
Mixing ratio in volume:	3 parts volume of RAPIDIT with 1 part water
pH value:	11
Mixture consistency:	thixotropic
Setting start time:	2-3 min.
Setting end time:	4-5 min.
Commissioning:	2-3 h
Allowed application temperature:	from +5 °C to +35 °C

FINAL PERFORMANCE

	Mechanical compressive strength (MPa)	Mechanical resistance to bending (MPa)
After 3 hours:	15	4
After 24 h:	26	5,4
After 3 days:	30	6
After 28 days:	40	8

DATA DETECTION AT +23°C - 50% R.H. AND IN ABSENCE OF VENTILATION

The information in this bulletin is based on our best experience. We cannot be held liable for any product misuse. We therefore recommend anyone who intends to use this product to assess whether it is suitable for the intended application and to perform preliminary tests in any case. Always refer to the latest updated version of the technical data sheet available at www.colmef.com.

FOR MORE INFORMATION OR PARTICULAR USES, CONTACT THE COLMEF TECHNICAL SUPPORT DEPARTMENT.

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