Technical Data Sheet

FINOMIX®
DRY MORTARS

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RP 3000

fast-setting fiber-reinforced polymer-modified one-coat repairing render

- Enhanced water repellence
- It allows water-vapour permeability of surfaces
- High mechanical strengths
- It does not crack
- Excellent workability

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DESCRIPTION

Fast-setting and drying, fiber-reinforced, cement-based mortar, modified with polymers and other special admixtures, for repairs of render surfaces on old and new structures.
It exhibits high mechanical strengths, minimal shrinkage, strong adhesion to the substrate and resistance to moisture.
Classified as general purpose (GP) mortar type CS II, W1 according to European standard EN 998-1.

APPLICATIONS

RP 3000 is ideal for quick repairs and restoration of render surfaces, as well as for fixing broken corners in masonry and other minor repairs.
Also suitable for repairing several defects created during construction works, e.g. electrical, plumbing, framing works.
It is suitable for indoor and outdoor applications.

PROPERTIES / ADVANTAGES

- Enhanced water repellence. - Increased resistance to moisture.
- It maintains high capillary transpiration of the building elements.
- It exhibits increased mechanical strength and excellent adhesion to the substrate.
- It does not crack.
- It simplifies and accelerates the repairing and restoring works.
- Excellent workability.

HARMONIZED STANDARDS / REGULATIONS

- **EN 998-1:** General purpose (GP) rendering mortar for external and internal use, type CS II, W1.
- **Regulation (EC) No. 305/2011:** CE marked product with Declaration of Performance (DoP): RP3000/CPR-7-13/038/10-2013.

APPLICATION INSTRUCTIONS

- Surfaces must be clean and free from dust, loose plaster residues, etc.
- Before application of RP 3000, the substrate should be thoroughly pre-wetted to saturation, removing any excess water from the surface. Alternatively, a coat of FINO•CONTACT quartz acrylic primer may be applied. Very weak and dusty substrates should be first treated with the deep-penetrating, stabilizing primer ACRYLIC PRIMER.
- The content of the bag is gradually added into the necessary clean water under continuous stirring, preferably using a low-speed electric mixer, until a homogeneous mixture is obtained.
- The material is applied in the same manner as conventional plaster, either manually with a trowel or with a mortar pumping machine.
- After approximately 35 minutes, the surface is smoothened by hand using a damp sponge float. The setting time varies depending on the weather conditions.
- During the summer months, moistening of the plastered surface after application is recommended in order to prevent rapid drying.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with water immediately after use. Hardened material can only be mechanically removed.

RECOMMENDATIONS

- Temperature during application should be between +5°C and +35°C.
- Don't use excess water for mixing as it will affect the performance of the product.
- Don't mix the product with cement, aggregates or admixtures.

TECHNICAL CHARACTERISTICS	
PRODUCT CHARACTERISTICS	
Appearance	cementitious powder
Colour	white
Bulk density	1.50 ±0.05 kg/lt
Maximum aggregate size	1.2 mm
APPLICATION CHARACTERISTICS (+23°C / 50% R.H.)	
Mixing ratio	20% b.w. (5 kg water / 25 kg bag) (1 kg water / 5 kg bag)
pH	> 10
Density (EN 1015-6)	1.85 kg/lt
Pot life	1 hour (20°C)
Application temperature	minimum: +5°C / maximum: +35°C
Application thickness per layer	5-20 mm
Waiting time before painting	3-4 hours
Consumption	approximately 12-14 kg/m^2 for a 1 cm thick layer
PERFORMANCE CHARACTERISTICS	
Density of hardened mortar (EN 1015-10)	1.65 kg/lt
Compressive strength after 28 days (EN 1015-11)	≥ 3.50 N/mm^2 - Class CS II
Flexural strength after 28 days (EN 1015-11)	≥ 1.60 N/mm^2
Adhesion strength after 28 days of dry storage (EN 1015-12)	≥ 0.55 N/mm^2
Capillary water absorption (EN 1015-18)	≤ 0.35 kg/m^2·min$^{0.5}$ - Class W1
Themal conductivity coefficient, $\lambda_{10,dry}$ (EN 1745)	0.61 W/mK (table A12 for P=50%)
Reaction to fire	Class A1

Note: Measurements were conducted in a laboratory environment. The varying conditions present on-site (temperature, humidity, ventilation, substrate absorbency) may affect the material's properties.

SAFETY PRECAUTIONS

- The product contains cement which has an alkaline reaction with water and is classified as irritant.
- Always wear appropriate personal protective equipment for eyes and skin (protective clothing, gloves and goggles).
- If skin contact occurs, rinse well with plenty of clean water.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Refer to the product's Safety Data Sheet for further information on safe handling and precautions.
- PRODUCT FOR PROFESSIONAL USE ONLY.

PACKAGING - STORAGE

Available in:
- 5 kg plastic bags.
- 25 kg paper bags.

Storage: 12 months from production date, if stored in original, sealed packaging, protected from direct sunlight and moisture.

LEGAL NOTICE

The technical characteristics and recommendations for the use and application of the **FINOMIX** range of products are based on the knowledge and experience of the company. The above information shall be considered merely indicative and subject to confirmation after long-term practical application. For this reason, anyone who intends to use the product must ensure that it is suitable for the envisaged application. Since the specific site conditions during the applications are beyond the control of our company, the user alone is fully responsible for any consequences deriving from the use of the product. **FINOBETON S.A.** (**FINOMIX**) has the right to modify the properties of its products without prior notice. This release voids any previous publications issued for this technical specifications sheet.

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