



FINOMIX®
DRY MORTARS

Technical Data Sheet

Release 4: 30/07/2026

hydroseal 8000

super•elastic

**flexible 2-component
brushable sealing slurry**

class A5

- Waterproofing against positive and negative pressure
- Excellent crack-bridging properties > 2.50 mm
- Elastic performance and crack-bridging even at -10°C
- Protects concrete structures from carbonation



HYDROSEAL 8000 SUPER•ELASTIC

flexible 2-component brushable sealing slurry

DESCRIPTION

Flexible, brushable, 2-component cementitious mortar, for waterproofing substrates against moisture or water under pressure (positive and negative pressures).

Component A composes of a cement-based mortar with specially selected aggregates, polymers and special additives, while component B is a synthetic polymer emulsion.

Mixing of component A and B forms, after hardening, a seamless, elastic, watertight membrane which is resistant to chlorides, CO₂ and de-icing salts, and at the same time is capable to absorb substrate movements and bridge cracks >2.50 mm. Classified as coating mortar (C) for the protection of concrete structures according to European standard EN 1504-2.

APPLICATIONS

It is applied for the waterproofing and protection of concrete, masonry, renders. It exhibits high elasticity and strong bonding to the substrate which makes it ideal for applications that are subject to movements, contraction-expansions and vibrations, and substrates that are prone to cracking.

Indicatively, it is applied in the following cases:

- Waterproofing of concrete water-tanks and swimming pools.
- Waterproofing under tiles or other coverings (e.g. microcements) in balconies, terraces, baths, showers, etc.
- Waterproofing of gypsum boards, AAC blocks, renders, etc.
- Protection of concrete surfaces and renders against corrosive agents (CO₂, chlorides, etc.)
- Waterproofing and protection of surfaces subject to movements and vibrations.

Suitable for waterproofing against positive and negative pressure.

PROPERTIES / ADVANTAGES

- Provides water-tightness against pressure up to 5 bar.
- Suitable for positive and negative pressures, and vapour permeable.
- Excellent crack-bridging performance for cracks > 2.50 mm at +23°C (Class A5 - EN 1062-7).

- Retains elastic performance even at -10°C with crack-bridging ability of >1.25 mm (Class A4 - EN 1062-7).
- Protects concrete surfaces from carbonation due to CO₂ ingress.
- Excellent workability and application efficiency.

HARMONIZED STANDARDS / REGULATIONS

- **EN 1504-2:2004:** Cement-based product for the protection of concrete surfaces - Coating (C). Meets the requirements of the standard.
- **EN 1504-9:2008:** Products and systems for the protection and repair of concrete structures - General principles for the use of products and systems. Meets the requirements of the standard according to Principle 1 (PI - Protection against Ingress), 2 (MC - Moisture Control) and 8 (IR - Increasing Resistivity).
- **Regulation (EC) No. 305/2011:** CE marked product with Declaration of Performance (DoP): HYDROSEAL8000W/CPR-7-13/107/04-2026 and HYDROSEAL8000G/CPR-7-13/106/04-2026, for white and grey product respectively.

APPLICATION INSTRUCTIONS

- Application surfaces must be clean and free of dust oil residues, brittle materials, dust, etc.
- Deteriorated concrete or render sections must be removed by suitable means (manual, mechanical, sand-blasting or waterblasting) until a sound and clean substrate is obtained. Any repair works should be carried out using appropriate products from the **FINOMIX** repair mortar range.
- Any active leaks must first be sealed using the ultra-fast setting repair mortar **WATER•PLUG**.
- Any protruding reinforcement bars should be cut back to a depth of 2-3 cm and the cavities repaired using suitable repair mortars (RP 4000 or RP 4100) or by using the polyurethane sealant **PU•FIX**.
- At internal corners (floor-to-wall junctions), a fillet with sides of approximately 5 cm must be formed using a suitable repair mortar (RP 4000, RP 4000 RAPID, RP 4100, RP 4200).
- For application on renders, they must have adequate adhesion to the substrate and be fully cured.
- When applied over existing floor coverings such as tiles, mosaic, marble, etc., their stability must be as-

sessed and they must be free from deposits or contaminants that could affect adhesion of the waterproofing layer.

- Prior to application, surfaces must be saturated with water. Excess water should be allowed to evaporate or be removed using compressed air.
- Component B is poured into a clean container and component A is gradually added under continuous stirring with low-revolution electric mixer (300 r.p.m.) until a homogeneous, lump-free mixture is obtained. The mixture should then be left to settle for about 5 minutes and remixed.
- Application is carried out by brush, trowel or by spraying in 2-3 layers, each with a maximum thickness of 2 mm, depending on the required waterproofing performance and the stress conditions of the substrate. Each subsequent layer is applied after the previous one has dried. Successive layers must be applied crosswise to ensure full coverage. In case of spray application, particular care must be taken to ensure uniform layer thickness.
- In cases of waterproofing surfaces subject to movement or heavy stress (roofs, balconies, swimming pools, etc.), it is recommended to reinforce the first layer of **HYDROSEAL 8000 SUPER•ELASTIC** by embedding a 60 g/m² fiberglass mesh. One or two additional layers are then applied, depending on the requirements and any substrate irregularities. Particular care must be taken to ensure that the mesh is fully embedded into the mortar without the formation of voids.
- At critical waterproofing points such as joints and corners, it is also recommended to reinforce the first layer with 10 cm wide strips of 60 g/m² fiberglass mesh.

The mesh strip is embedded into the first layer and covered with a second layer while still fresh.

- If ceramic tiles are to be installed over the waterproofing layer, suitable cement-based adhesives classified as C2 according to EN 12004-1 must be used. The **HYDROSEAL 8000 SUPER•ELASTIC** surface is ready to receive tiles after 5-7 days from application.

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.
- Each layer of **HYDROSEAL 8000 SUPER•ELASTIC** should not exceed 2 mm in thickness.
- Do not add cement, water or aggregates in **HYDROSEAL 8000 SUPER•ELASTIC**.
- Postpone the application if high temperatures or frost are expected during the first 24 hours after application.
- During the curing period protect the fresh surface from rapid water evaporation.
- Fresh surface must be protected from rainfall and frost for the first 24-48 hours.
- **HYDROSEAL 8000 SUPER•ELASTIC** must not be exposed directly to chlorine water (e.g. swimming pools). It must be covered with tiles or other protective/decorative coatings.

TECHNICAL CHARACTERISTICS		
PRODUCT CHARACTERISTICS		COMPONENT A
Appearance		cementitious powder
Colour		grey / white
Bulk density		1.40 ±0.05 kg/l
Density		
Dry solids content		100%
		52%
APPLICATION CHARACTERISTICS (+23°C / 50% R.H.)		
Mixing ratio of components		A : B = 25 : 10 (parts by weight)
pH		> 11
Density		1.85 ±0.05 kg/l
Pot life		90 min (22°C)
Application temperature		minimum: +5°C / maximum: +35°C
Max. application thickness per layer		2mm
Consumption		approximately 1.5-1.7 kg/m ² for a 1 mm thick layer
PERFORMANCE CHARACTERISTICS		
Adhesion to concrete (EN 1542, MC 0,40)		≥ 1.15 N/mm ²
Adhesion after thermal compatibility	freeze-thaw with de-icing salts (EN 13687-1)	≥ 0.8 N/mm ²
	thunder shower (thermal shock) (EN 13687-2)	≥ 1.0 N/mm ²
Static crack-bridging (EN 1062-7)	at +23°C	Class A5 (crack width > 2.50 mm)
	at -10°C	Class A4 (crack width > 1.25 mm)
Dynamic crack-bridging (EN 1062-7)	at +23°C	Class B3.1 (1,000 cycles with crack movement 0.10-0.30 mm)
	at -10°C	Class B2 (1,000 cycles with crack movement 0.10-0.15 mm)
Depth of penetration of water under pressure	under positive pressure (EN 12390-8, 3 days, 5 bar)	no penetration
	under negative pressure (1.5 bar)	no penetration
Capillary absorption and permeability to water (EN 1062-3)		≤ 0.01 kg·m ⁻² ·h ^{-0.5}
Permeability to water vapour (EN ISO 7783)		S _D < 5 m (Class I)
Permeability to CO ₂ (EN 1062-6)		CO ₂ S _D > 50 m

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 (component A) 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:

- Package of 35 kg (25 kg A + 10 kg B) in white and grey colour.

Storage: Component A: 12 months from production date, if stored in original, sealed packaging, protected from direct sunlight and moisture. ■ Component B: 12 months from production date, if stored in original, sealed container, protected from direct sunlight and frost.

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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