

Hidromar SuperFlex

HIDROMAR SUPER-FLEX is a SUPERFLEXIBLE mortar for WATERPROOFING of all types of work surfaces, whether or not they are subject to deformation. Its characteristics are unique:

- Very high flexibility.
- Total adhesion to the support without retracting.
- Total waterproofing.
- With ceramic finish.
- Excellent workability with a brush, with a fine trowel, roller, or even with air-less.
- Resistance to the effects of saline and somewhat acidic waters, to atmospheric pollution

Composition

Waterproof membrane formulated with hydraulic cements, modified with polymers.

Application field

- SUPER-FLEXIBLE waterproofing of swimming pools, ponds, tanks, channels, etc. with ceramic finish.
- SUPER-FLEXIBLE waterproofing of pool beaches with total safety, for the subsequent installation of ceramics.
- Waterproofing of ceramic shower trays with maximum flexibility.
- Waterproofing of balconies, terraces, outdoor roofs,... for the subsequent placement of ceramics.
- It waterproofs by bridging, surfaces with micro-cracks or susceptible to micro-cracks.
- Precast and/or concrete blocks
- Retaining walls of earth on the outside, protecting it later with a geotextile sheet.
- Waterproofing of bathrooms, changing rooms, balconies, etc. for the subsequent installation of ceramics with ADIMAR FLEX.

Instructions for use

1. The supports must be resistant, solid, clean of dust, paint, waxes, release agents, oils and greases and be perfectly set.
2. Prior to the application of HIDROMAR SUPER-FLEX, we recommend applying a fiberglass mesh in all corners, vertices, drains and expansion joints in order to achieve total waterproofing of these critical points.
3. In summer or on highly absorbent surfaces, wet the surface with water beforehand until it is saturated, removing excess water and avoiding waterlogging
4. To prepare the mortar, mix everything from the 20 kg bag with 4.8 litres of clean water. Mechanical mixing is mandatory at low speed to avoid the inclusion of air. The resulting mixture must be completely homogeneous.
5. Apply a 1st coat of HIDROMAR SUPER-FLEX with a brush or fine trowel or pneumatic spray system. This layer should not be more than 2 mm. thick.
6. Let the 1st layer dry for about 4 hours.
7. Apply a 2nd layer of HIDROMAR SUPER-FLEX perpendicular to the 1st.

Recommendations for use

For use in swimming pools or tanks:

Apply at least 2 coats of 1 mm each, in order to resist always positive pressures of maximum 3 bar. To resist more pressure, increase the number of layers (always apply layers of maximum thickness 1 mm.)

For the installation of ceramics on HIDROMAR SUPER-FLEX:

After 24 to 36 hours (at +20°C) from the application of HIDROMAR SUPER-FLEX, the ceramic pieces will be glued with a cementitious adhesive that complies with the regulations for adhering waterproof sheets, such as ADIMAR FLEX.

HIDROMAR SUPER-FLEX should not be used:

- Against pressure.
- At temperatures below +5°C.
- In thicknesses greater than 1 mm. Per layer.
- On very dry and water-hungry surfaces (especially on hot days).
- Adding extra cement.
- In non-stable concrete structures that require technical requirements higher than those offered by the HIDROMAR SUPER-FLEX (see the Technical Department)
- On roofs without a final protection with ceramic.

Waterproof guarantee:

The watertightness of a swimming pool, tank, etc. is the EXCLUSIVE RESPONSIBILITY of the concrete vessel that forms it, since its construction, stability, dimensioning, quality of the concrete, settlement of the ground, formation of cracks, even the placement of this waterproofing itself, are not the responsibility of HIDROMAR SUPERFLEX.

The HIDROMAR SUPER-FLEX very well complies with the EN 14.891 standard, so it maintains waterproofing even at low (-5°C) and at very low temperature (-20°C) in cracks ≥ 0.75 mm. These are the limits of the watertightness guarantee offered by HIDROMAR SUPER-FLEX. It is therefore advisable to make sure beforehand that the dimensional stability of the structure does not require a performance.

Technical Data

Product	Type	CM O2P norm EN 14891:2017	
Application	Mixing Ratio	20 Kg dust / 4,8 liters of water	
	Mix Density	1,5 gr/cm ³	
	Application temperature	+ 5°C a + 35°C	
	Useful life	1 hour	
	Timeout between layers	4 to 5 hours	
	Waiting time for tiling	between 24 and 36 hours to +20°C	
Final yields	Resistance to saline waters:	excellent	
	Resistance to weak cycles/alkalis	notable	
	Carbonation resistance	excellent	
	Initial adhesion in traction	EN 14891:2017-Section A.6.2	≥ 0.5 N/mm ²
	Durability of the initial adhesion in traction against the action of water/moisture	EN 14891:2017- Section A.6.3 / A.6.4	≥ 0.5 N/mm ²
	Durability of the initial adhesion in traction against the action of the weather / thermal aging	EN 14891:2017- Section A.6.5	≥ 0.5 N/mm ²
	Durability of initial adhesion in frost traction and freeze/thaw cycles	EN 14891:2017- Section A.6.6	≥ 0.5 N/mm ²

Final yields	Durability of the initial adhesion in traction against contact with lime water	EN 14891:2017- Section A.6.9	≥ 0.5 N/mm2
	Resistance to crack propagation under standardized conditions	EN 14891:2017- Section A.8.2	≥ 0.75 mm
	Waterproof, waterproof	EN 14891:2017- Section A.7	no penetration
	Emission of hazardous substances	EN 14891:2017- Section 4.2	complies
	Resistance to crack propagation: at low temperatures (-5°C)	EN 14891:2017- Section A.8.3	≥ 0.75 mm
	Resistance to crack propagation: at very low temperatures (-20°C)	EN 14891:2017- Section A.8.3	≥ 0.75 mm
	Durability of the initial adhesion in traction against the action of chlorinated water	EN 14891:2017- Section A.6.7 / A.6.8	≥ 0.5 N/mm2
Storage	12 months	Store with the container closed and in a covered, dry and ventilated place	
Presentation	sacks of 25 kgs		

For safety precautions in the use, storage and disposal of the product, please refer to the Safety Data Sheet available on the website www.aymarsa.es

NOTE: The information contained in this technical sheet is based on our experience and tests carried out in specialized laboratories. The characteristics of the resulting product will depend on the correct preparation and application on site by the user. If these conditions are not met, the characteristics indicated above will not be achieved.



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