

HIDROELASTIC

**HIGHLY ELASTIC, WATERPROOF mortar, ideal for pools, pool beaches, shower trays, changing rooms, tanks,...
COMPLETELY WATERPROOF.**



◆ **WATERTIGHTNESS GUARANTEE:** Whether a pool, tank, etc. is waterproof is the **SOLE RESPONSIBILITY** of its concrete structure. Its construction, stability, dimensions, the quality of the concrete, its placement, the formation of cracks, etc. are not the responsibility of waterproofing with **HIDROELASTIC**. **HIDROELASTIC** is fully compliant with the EN 14.891 standard and maintains its waterproofing properties at both low (-5°C) and very low (-20°C) temperatures in $\geq 0,75$ mm fissures. These are the maximum watertight sealing guarantees offered by **HIDROELASTIC**. Consequently, check first that the dimensional stability of the structure does not require a higher-grade performance.

FIELDS OF APPLICATION

- 1) **ELASTIC** waterproofing for pools, ponds, tanks, canals, etc. for the subsequent laying of ceramic tiles.
- 2) **ELASTIC** waterproofing of pool beaches with complete safety, for the subsequent laying of ceramic tiles.
- 3) **Waterproofing** of ceramic shower trays with maximum elasticity.
- 4) **Waterproofing** of balconies, terraces, outdoor rooftop terraces,... for the subsequently laying of ceramic tiles.
- 5) Crack-bridging waterproofing, for use on substrates with **micro-fissures** or which could develop **micro-fissures**.
- 6) Prefabricated structures and/or concrete blocks
- 7) On the exterior of **earth-retaining** walls for subsequent protection with a geotextile sheet.
- 8) Waterproofing of bathrooms, changing rooms, balconies, etc., for the subsequent laying of ceramic tiles with **TECNOCOL FLEX** or **TECNOJUNTA FLEX**.

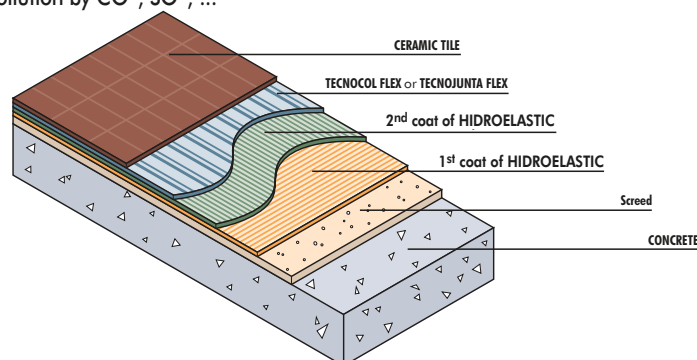
TECHNICAL CHARACTERISTICS

HIDROELASTIC is an **ELASTIC** mortar for **WATERPROOFING** all types of building substrates that may or may not become deformed. Its characteristics are unique:

- ◆ Great flexibility and elasticity.
- ◆ Total adherence to the substrate, without retraction.
- ◆ Completely waterproof.
- ◆ **Ceramic tiles can be laid over it.**
- ◆ Easy to apply with a brush, notched trowel, roller or it can be applied using the airless system.
- ◆ Resistant to the effects of salt or somewhat acid water, and atmospheric pollution by CO_2 , SO_2 , ...

HOW TO USE

- 1) **step:** the substrates should be resistant, solid and free from dust, paint, wax, release agents, oils and grease. They should also be perfectly setting.
- 2) **step:** before applying **HIDROELASTIC**, we recommend applying **BANDA IMPERMEABLE 120/70** or **FIX-BANDA** to all corners, vertices, drains and expansion joints to ensure that such critical points are fully sealed. **FIX-BANDA** is an ultra-elastic butyl that is very easy to apply: all you have to do is remove the protective paper.



3) **step:** in the summer or on highly absorbent substrates, saturate the substrate first with water, eliminating all excess water and preventing puddles from forming.

4) **step:** **HIDROELASTIC** is a pre-dosed product: **DO NOT ADD ANYTHING ELSE**. Pour the liquid from the small tub into the large tub and then add the powder. **MIX** using an electric mixer. The resulting mixture must be homogeneous.

5) **step:** apply a 1st coat of **HIDROELASTIC** using a **brush or a flat trowel**, or a pneumatic spraying system. This coat **should not be more than 2 mm thick**.

6) **step:** allow the 1st coat to dry for approx. 4 hours.

7) **step:** apply a 2nd coat of **HIDROELASTIC** **perpendicular to the 1st coat**. If applying using an airless system, apply a 3rd coat.

WARNING: in pools or tanks, apply at least 2 coats each with a thickness of 1 mm. in order to withstand positive pressures of 3 bar at most. More coats mean more protection (always apply coats at most 1 mm thick), meaning that for more pressure, you should increase the number of coats.

◆ LAYING OF CERAMIC TILES OVER HIDROELASTIC:

Some 24 to 36 hours (at +20°C) after applying the **HIDROELASTIC**, you may then go on to lay the ceramic tiles using a cementitious adhesive that meets the requirements for adhering waterproof sheets, such as **TECNOCOL FLEX**. For glazed mosaic tiles, use **White TECNOJUNTA FLEX**.

◆ WARNING: HIDROELASTIC must not be used:

- Under counterpressure (use **HIDROFIX**)
- At temperatures below +5°C.
- At thicknesses greater than 1 mm per coat.
- On very dry substrates that need water (especially on hot days).
- Adding cement or water to the original formula.
- On instable concrete structures with technical requirements that are higher than those offered by **HIDROELASTIC** (consult the Technical Dept.)
- On roofs without a final ceramic protective coating.

Applied with	TOTAL CONSUMPTION:	thickness per coat:	number of coats:	Final thickness:
brush or roller	2.50 kg/m ²	1 mm.	2 min.	2 mm.
airless system	2.50 kg/m ²	0.66 mm.	3 min.	2 mm.

TECHNICAL DATA:

STANDARDS:	EN-14.891
PRODUCT:	
• Type:	CM O2P Impermeable membrane made with hydraulic cements modified with polymers. Resistant to freezing/thawing cycles and contact with chlorinated water. Membrane suitable for contact with drinking water
• Density of the powder:	1.3 g/cm ³
• Chloride content:	0 %
• Toxicity	Prolonged contact with the powder could irritate the skin and/or eyes.
APPLICATION:	
• Mixture proportion:	ready-dosed
• Density of the mixture:	1.5 gr./cm ³
• Application temperature:	+ 5°C to + 35°C
• Shelf life:	2 hours
• Waiting time between coats:	from 4 to 5 hours
• Waiting time for tiling:	between 24 and 36 hours at +20°C
FINAL PERFORMANCE:	
• Resistance to salt water:	excellent
• Resistance to weak acids/alkalis:	extremely good
• Resistance to carbonatation:	excellent
• Initial adherence:	≥0.5 N/mm ²
• Adherence after immersion in water:	≥0.5 N/mm ²
• Adherence after aging with heat:	≥0.5 N/mm ²
• Watertightness:	without penetration (1.5 bar; 7 days)
• Resistance to the development of fissures, even at low temp.:	≥ 0.75 mm (at -20°C)
• Adherence after freezing-thawing cycles:	≥0.5 N/mm ²
• Adherence after immersion in chlorinated water:	≥0.5 N/mm ²
STORAGE:	
• In a covered, ventilated place:	12 months
PRESENTATION:	
• Supplied in:	30, 20 or 5 kg units, in grey



Applying a 1st coat of **HIDROELASTIC**.



Applying a 2nd coat of **HIDROELASTIC**.