



BARRIER GEL RASATURA

Powder smoothing finish



PROPERTIES ➔ Grey, inorganic, powder smoothing finish for exteriors/interiors, part of specific application cycles aimed at the restoration by dehumidification or waterproofing of against ground structures and suitable for containment.

COMPOSITION ➔ Portland Cement 52.5 R CEM I, Selected aggregates, Specific additives, Fibres

DESTINATION ➔ Apply on reinforced concrete, filling mortars - fibred, cement-based plasters (lime $\leq 5\%$), seasoned, rough, solid, coplanar and cohesive. In the case of non-cohesive supports, first carry out consolidation with ACQUACONS.

APPLICATION ➔ **Environmental conditions:** Ambient temperature (at least 12 hours): min. $+5^{\circ}\text{C}$ max $+35^{\circ}\text{C}$ Protect from sun exposure and strong wind. **Dilution:** Mix 5kg of powder with a stirrer for one liter of water. Mixture life time at $\sim 20^{\circ}\text{C}$: C.a. 60 min. **Preparation of the support:** Bring the supports to their raw state, where present, remove paint, coatings and smoothing compounds by mechanical abrasion or sandblasting. Eliminate degraded and inconsistent supports until surfaces suitable for connection are reached. Carry out any repairs with filling / fiber mortars (proceed to complete curing). Reinforced concrete that is particularly smooth or treated with release agents must be mechanically abraded or treated using an acid process followed by pressure washing. Treat exposed irons with suitable passivating agents.

Application method: Wet the area of use thoroughly, spread the product using a metal trowel.

Rising humidity due to capillarity ➔ After applying BARRIER GEL, treat a uniform and coplanar band, calculated at 60% higher than the maximum evaporation level. Hydrate the supports thoroughly, apply a substrate of at least 2 layers of BARRIER GEL INTONACO (total base thickness approx. 5mm) with interposition of mesh. Finish with a layer of BARRIER GEL RASATURA 0.8, 0.6 or 0.3 (thickness approximately 1mm)**.

Against ground waterproofing (underground structures) ➔ Treat the entire area. In the presence of continuous dripping on the surface, it is necessary to block the leakage for the time necessary for the cycle to fully mature. Hydrate the supports thoroughly, apply a substrate of at least 2 layers of BARRIER GEL INTONACO (total base thickness approximately 5mm) with interposition of mesh. Proceed with a layer of BARRIER GEL RASATURA 0.8, 0.6 or 0.3 (thickness approximately 1mm)** and complete with waterproofing product.

Containment waterproofing ➔ Treat the area entirely, hydrate the supports until saturation, apply a substrate of at least 2 layers of BARRIER GEL INTONACO (total thickness of the base approximately 5mm) with interposition of mesh. Then apply BARRIER GEL RASATURA, 08 or 06 (thickness approx. 1-2mm). Complete with waterproofing.

**Wait at least 12 hours between one application and the next of the smoothing range, rehydrating the surfaces again. Between layers with interposed mesh, it is not necessary to wait the prescribed times.

Seasoning: Avoid rapid drying. Keep hydrated before and after each application. Complete maturation in 28 days.

YIELD ➔ **1,2 kg/m²** for a 1mm thick finishing layer.

Overpainting: Paint with highly breathable, silicate, lime or siloxane products once completely dry (≥ 28 days). In a wall heavily impregnated with humidity, after the treatment, you may notice slightly darker halos, corresponding to the most intense humidity stains. These halos fade over time.

PACKAGING ➔ **BAG Kg.25.** Granulometry **0,8 mm (1CR426), 0,6 mm (1CR427), 0,3 mm (1CR428).**

TECHNICAL DATA

Compression resistance after 28 days: 30,9 N/mm²

Flexural strength after 28 days: 7,2 N/mm²

Resistance adhesion to the support: 1,40 N/mm²

Linear withdrawal after 28 days: 1,60 mm/m

Fluidity Value: 155 mm

Adhesion value to the mortar support after 28 days : 1,7 N/mm²

Apparent volumetric mass of fresh mortar: 1970kg/m³

Apparent volumetric mass of hardened mortar: 1810kg/m³

Average grip value for direct traction: 1,9 N/mm²

Coefficient w of permeability to liquid water (Average value after 24h): 0,06 Kh/m² * h^{0,5}

Air content: 9.0%

Thermal conductivity λ (Lambda) : 0.74/0,84

Water vapor transmission degree V (Average value): 96,24 g/m² * d

Equivalent air layer thickness (Average value): 0,21 m

All information contained in our records correspond to our best knowledge of current techniques and cannot be considered binding or challenging as the real application conditions, verifiable case, may also result in major changes of both practices described above and the results obtained. Perform preliminary tests to determine if the product is suitable for the intended or not. We decline any liability for any damage resulting from improper use or misuse of the product. Do not litter in the environment. This data sheet replaces all previous versions.