

HUMIBLOCK



SPECIFICATIONS

Specific weight at 20°C: 1.3 kg/lt

Specific weight of skim coat: 1.7 ± 0.1 kg/lt

Concrete adherence: >2 (FP:A) Mpa - UNI9532

Compressive strength: >25 Mpa - EN12190

Bend strength: >5.5 Mpa -EN196/1

Vapour permeability Sd<1 ClasseI Sd - ENISO7703-1

Impermeability to water: W<0.045 classe III W<1 - EN1062-3

Ph of mixture: >12

Theoretical consumption: 1 (powder) kg./mq./mm

Max. granulometry: 600 μ

Thickness: 5 – 6 mm

Description	<p>White coloured fibre-reinforced skim coat, with granulometry not exceeding 600 microns. Non-organic and odourless, specifically formulated for refurbishment, dehumidification, and/or water-proofing of masonry surfaces, retaining walls or containment structures. The product can be used indoors or outdoors. It can be used with both positive and negative hydrostatic thrust. This is an innovative cycle that contains nanotechnological products. It performs very well in cases of capillary rising damp, infiltrations, and sweating. It blocks mould and condensation from forming. Perfectly calibrated breathability guarantees immediately tangible results. This product cycle is thin enough to allow use with every type of surface without changing the thicknesses of the finishing cycles. Contains a technological mix of additives that improves adhesiveness and resistance over time. Due to its consistency and specifications, it must only be applied with a spatula.</p> <p>It cannot be applied with a brush or a roller.</p>
Main uses	<p>Water-proofing of concrete and masonry structures, tanks, canals, pools, and purifiers. Water-proofing in counter thrust on concrete earth retaining walls, basements, lift pits, and various types of masonry. Suitable for continuous contact with water. It presents easy maturation also with strong humidity and in closed spaces.</p> <p>Colour: Light grey</p>
Preparing the surface	<p>Wash the surface carefully. If necessary, seal the surface. If surfaces are very irregular, use specific mortars to make them even. If surfaces are very absorbent, keep them damp until the skim coat is applied.</p> <p>When applying to a floor, protect the product with 4-5 cm of flooring screed. If applying to water-proof foundation walls, wait at least 24-48 hours to fill in the soil.</p> <p>If using with water-proofing coverings for protective layers or finishes (ceramic coverings, protective screed, plaster, cementitious plaster, plastic drainage, etc.), let cure for at least 3 days after finishing the application.</p> <p>If water-proofing a structure to contain water, wait at least 7 days to let the application cure.</p>
Application methods	<p>Prepare the mix by putting about 5 litres of water directly and gradually into the pail with the ready-to-use powder until you obtain the desired pasty consistency that is perfect for spreading with a 5mm thick spatula. Mix the powder and water with a typical mixer on low speed. Mix until all lumps are eliminated. Then add the final quantity of water necessary depending on the application method.</p>

	<p>Application with a spatula requires at least two coats with a reinforcement mesh in the middle.</p> <p>The skim coat must always be applied in contact with the surface that is being water-proofed. If necessary for maintenance purposes or to reach the finishing level, proceed successively, after it reaches maturity, to apply breathable plaster.</p> <p>For applications in places where temperatures are high or walls directly exposed to sunlight, after 4-5 hours, keep the product damp by misting water onto the surface.</p> <p>Apply the product within 20 minutes after mixing.</p> <p>Do not add water to prolong the use time.</p> <p>In case of use in negative pressure, 3 coats are recommended.</p>
Specification item	<p>Fibre-reinforced skim coat for finishing the HUMIBLOCK cycle for application with 5 mm spatula. With granulometry not exceeding 600 Microns.</p> <p>For water-proofing in thrust and counter thrust of walls, various types of masonry, basements, elevator lifts, foundations and below ground walls, water containment structures, canals, tanks, pools, plinths and slabs; treated with specific skim coat resistant to aggressive waters, comprised of 525 cement and selected inert materials with specific granulometries, in addition to specific additives and nanotechnological products in specific mixes with variable granulometries, having a consumption rate of 3-5 kg/m², on walls and substrates and 5-7 kg./m². on applications with counter thrust.</p>
Application temperature	From +5 to +35°C in the environment
Operating temperature	From +5 to +35°C of the surface
Reaction times	at 20°C and 50% R.H.
Preparation time	<p>30-45 min, depending on environmental conditions</p> <p>Dry to the touch: 4h</p> <p>Overapplication: 6-8 h min to 72 h max</p> <p>Completely hardened: 24 hr</p> <p>Coverage: 3-5 kg/m² depending on surface irregularity</p>
Storage stability	The product is guaranteed for 12 months if it is stored in its original packaging and in a dry, protected place. It is advisable to store the product at a temperature between +5°C and +30°C
Packages	20 kg plastic pails on pallets of 600 kg. (30 pails)