



RISANA AQUABLOC MONO



White single-component, waterproofing, elastic sheath.

By mixing RISANA AQUABLOC MONO with only water, a continuous and waterproof elastic mortar is obtained that can be applied by brush, roller or trowel. The high thixotropy of the product allows even vertically application, without the risk of sagging. Its solar reflectance due to the white colour, contributes to the thermal insulation of the rooms.

RISANA AQUABLOC MONO is classified, according to EN 14891 European legislation, as “cementitious liquid-applied water impermeable product with improved crack bridging ability at low temperature (-5 °C) and resistant to contact with chlorinated water (CM 01P)” for all outdoor installations under ceramic tiling (installation with C2 adhesive in accordance with EN 12004-1). The conformity of RISANA AQUABLOC MONO according to the regulation CE 305/2011 and the standard EN 14891, is proven by the ITT certificate n ° 11350/107/107 issued by the authorized laboratory Tecno Piemonte SpA of Romagnano Sesia (NO) - NB 1372.

TECHNICAL CHARACTERISTIC		
Appearance		White powder
Powder bulk density		≈ 1100 kg/m ³
Granulometry		≤ 0.8 mm
Consumption		≈ 1,1 kg/m ² for mm of thickness
Workability		≈ 1 h
Crack-bridging ability at	Standard conditions (+23 °C)	1.7 mm
	Low temperature (-5 °C)	1,5 mm (O1)
Waterproofing		No water penetration
Initial tensile adhesion strength		0,8 N/mm ²
Tensile adhesion strength after water contact		≥ 0,5 N/mm ²
Tensile adhesion strength after heat ageing		1 N/mm ²
Tensile adhesion strength after freeze-thaw cycles		≥ 0,5 N/mm ²
Tensile adhesion strength after contact with lime water		0,8 N/mm ²
Tensile adhesion strength after contact with chlorinated water		0,6 N/mm ² (P)
Reaction to fire		A ₁ Class
Mixing water	trowel	22 % (≈ 4,5 l for 20 kg bag)
	brush/roller	26 % (≈ 5 l for 20 kg bag)



Data expressed at 22 ± 1 ° C with relative humidity at $50 \pm 5\%$. Lower temperatures lengthen the maturation and hardening times; higher temperatures reduce the curing and hardening times.

RISANA AQUABLOC MONO complies with Reg. 1907/2006 (Reach) All. XVII punto 47.

BAG / PAPER BAGS OF 20 KG ~ PACKAGING / ON PALLETS OF 50 BAGS

INDICATION FOR USE

Realization of a protective and waterproofing coating for concrete surfaces, balconies, terraces, swimming pools and bathrooms. RISANA AQUABLOC MONO can be left exposed thanks to its ability to resist UV rays. The high ability to reflect incident solar radiation, due to its white colour, makes RISANA AQUABLOC MONO a *Coll Roof* product, ensuring environmental comfort and energy savings for buildings conditioning. Furthermore, RISANA AQUABLOC MONO is suitable for contact with drinking water in accordance with the supplies of Ministerial Decree n. 174 of 6 April 2004. In details, RISANA AQUABLOC MONO lets get:

- waterproofing of concrete surfaces, balconies, terraces, before laying ceramic coverings;
- waterproofing of showers, bathrooms, changing rooms and environments subject to washout in general;
- waterproofing of old terraces without demolishing the existing floor;
- waterproofing of drinking water tanks or cisterns;
- moisture protection of plasterboard panels, fibre cement, wood, etc.;
- elastic smoothing of cracked plaster or concrete, before new painting;
- as an adhesion promoter to improve the adhesion of self-levelling compounds on old ceramic floors.

CONSERVATION PERIOD

To maintain the characteristics of the product unaltered, keep the bags in a covered, dry place and on wooden pallets. The effectiveness of the performance characteristics is 12 months in unopened packages.

APPLICATION

Substrate preparation:

- make sure that the substrate is clean, dry, consistent, uniformly absorbent, free from rising damp;
- moisten the cured supports before proceeding with the application of RISANA AQUABLOC MONO;
- in the presence of chalking surfaces, first apply a suitable consolidating agent;
- screeds - do not apply RISANA AQUABLOC MONO on fresh and unripe screeds, wait at least 28 days and, check the humidity before applying (humidity screed has to be less than 4%). Apply a suitable strip on any expansion joints, in all wall / floor and wall / wall corners, in correspondence with all technical service points (drainage pipes, holes, delivery vents, etc.) and micro-cracks. Do not use RISANA AQUABLOC MONO to create slopes;
- floors - existing floors and coverings must be clean and well adherent to the substrate. Eliminate any tiles that have already detached and fill the gaps with quick adhesive. To improve adhesion, chisel or mill the existing flooring and clean well before applying the product;
- plastered walls - cementitious plasters must be adequately cured (not less than 14 days), adherent to the substrate, resistant and free of crumbling parts, dust or paints of any kind;
- concrete walls - the surface to be treated must be solid and perfectly clean, with no flimsy and crumbly parts. Remove any traces of release agents.

Mixture preparation - hand or mixer:

- introduce a minimum amount of water into a clean container and add the powder, mixing thoroughly with a drill fitted with a whisk at low speed, until a homogeneous and lump-free paste is obtained;
- when all the lumps have dissolved, adjust the water until the desired consistency is obtained;
- mix slowly in order to not incorporate air bubbles in the product;
- do not exceed 4 minutes of mixing;
- let the mixture rest for 5-10 minutes, remixing it before use.

The mixture obtained must be used within 1 hour. Avoid mixing with a cement mixer.

Application procedure:

- application with a smooth steel trowel - apply the product in 2 coats, for a total thickness of 3-4 mm.



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- application by brush or roller - apply the product in at least 2-3 coats, for a total thickness of 3-4 mm. Cross the direction of application of each coat with respect to the previous one.

After the first coating, immediately apply an appropriate fiberglass mesh or a suitable macro-perforated non-woven fabric, overlapping one sheet with another for 5 cm thickness. Embed the rebar inside the applied mortar. Wait 2-4 hours for the drying of the first coating, then apply a second layer of the product. After 4/5 days from the laying of the cementitious sheath, proceed with the bonding of ceramic coverings using type C2 adhesives (EN 12004-1): ADHESIO GOLD or ADHESIO PLATINUM, as necessary. For small interventions, the product can be applied without fiberglass mesh. Tanks cannot be filled before 21 days from the applying of the last coat.

WARNINGS

Use the product at temperatures between +5°C and +35°C.

Avoid application on surfaces exposed to direct sunlight and / or strong wind.

Do not apply on supports exposed at risk of freezing or rain in the 48 hours following the installation.

Do not add external components to the RISANA AQUABLOC MONO mixture.

Do not apply on plastic coatings and non-absorbent substrates,

Do not apply directly on bitumen or bituminous membranes.

VOCE DI CAPITOLATO

Supply and installation of single-component fiber-reinforced elastic cementitious sheath for waterproofing concrete surfaces, balconies, terraces, swimming pools and bathrooms, RISANA AQUABLOC MONO, provided with CE marking according to EN 14891 (class CM-O1-P).

Sicilgesso products comply with the Minimum Environmental Criteria (MEC) indicated in the Environment Ministerial Decree - 11 October 2017. They therefore contribute to reducing environmental impacts, making construction projects in the public sector more sustainable.

The data reported in this document are indicative and relative to average production values. SICILGESSO reserves the right to make any changes and variations it deems appropriate at any time. Always refer to the latest updated version, available on www.sicilgesso.it