

TECHNICAL SPECIFICATIONS	WHITE	GREY
Measured on powder product		
Consistency	Powder	Powder
Apparent density (as per MIT 13)*	1.200 kg/l	1.150 kg/l
Granulometry (as per EN 1015-1)	0 – 0.5 mm	0 – 0.5 mm
Chloride ion content (as per EN 1015-17)	< 0.05 %	< 0.05 %
Measured on fresh mix		
Mixing water	24 – 26% (6.0 - 6.5 litre per 25 kg bag)	24 – 26% (6.0 - 6.5 litre per 25 kg bag)
Mix consistency (as per UNI EN 1015-3)	180 mm	180 mm
Mix pH	> 12	> 12
Mix density (as per EN 1015-6)	1.600 kg/l	1.600 kg/l
Air content (as per EN 1015-7)	20 %	20 %
Water retention (as per DIN 18555-7)	98 %	99 %
Mix pot life (as per EN 1015-9)	120 minutes	90 minutes
Application temperature	from +5 °C to +30 °C	from +5 °C to +30 °C
Operating temperature	from +20 °C to +90 °C	from +20 °C to +90 °C
Consumption	1.4 kg per mm of thickness	1.4 kg per mm of thickness
Measured on hardened product		
Density of hardened product (as per EN 1015-10)	1.350 kg/l	1.350 kg/l
Flexing strength β_d (as per EN 1015-11)	2.10 N/mm ²	2.00 N/mm ²
Compressive strength β_{dz} (as per EN 1015-11)	3.80 N/mm ²	4.00 N/mm ²
β_d/β_{dz} Factor (as per WTA Directive 2-9-04)	1,8	2
Adhesion to plaster substrate (as per EN 1015-12)	1.1 N/mm ²	0.9 N/mm ²
Permeability to water vapour - μ (as per EN 1015-19)	11	11
Capillary water absorption coefficient (as per EN 1015-18)	0.45 kg/(m ² ·min ^{0.5})	0.45 kg/(m ² ·min ^{0.5})
Thermal conductivity $\lambda_{10,dry}$ (as per EN 1745 - A.12)	0.47 W/m·°K	0.47 W/m·°K
Fire reaction class (EN 13501-1): A1fl	Class A1	Class A1
Product classification (as per EN 998-1)	GP	GP

* Torggler Internal Methods (MIT) are available on request

RISAN RANGE



BREATHABLE, FINE-GRAIN PREMIXED MORTAR FOR THE FINISHING OF RENOVATING AND/OR DEHUMIDIFYING PLASTERS

APPLICATIONS

- Breathable finish mortar for indoor and outdoor applications on masonry renovated with ANTOL RISAN SYSTEM INTONACO WTA, ANTOL RISAN SYSTEM DEIDRO, ANTOL RISAN SYSTEM DEIDRO PROJECTION, ANTOL RISAN ONE.
- Breathable finish mortar for indoor and outdoor applications on dehumidified plasters, cement mortars, cement-lime mortars and hydraulic lime.
- Breathable finish mortar for joints between old and new plasters on indoor and outdoor applications.

TYPES OF SUBSTRATE

- ANTOL RISAN SYSTEM INTONACO WTA, ANTOL RISAN SYSTEM DEIDRO, ANTOL RISAN SYSTEM DEIDRO PROJECTION, ANTOL RISAN ONE renovating plasters.
- Renovating and dehumidifying plasters made from cement, cement-lime and hydraulic lime mortars.
- Old and new plasters and mortars made from cement, cement-lime and hydraulic lime mortars.

MAXIMUM ATTAINABLE THICKNESS

5 mm.

Antol
SYSTEM
Risan

F4 FINITURA

FINISH FOR RENOVATING AND/OR DEHUMIDIFYING PLASTERS

- Perfect compatibility with renovating and/or dehumidifying plasters
- High breathability and water repellence
- Excellent workability
- White and grey available



Torggler
Chimica

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Torggler
Chimica

Technology leaders
for over 140 years
in the field of chemicals
for the building industry.

FEATURES

ANTOL RISAN SYSTEM FINITURA is a ready-to-use, pre-mixed, fine-grain mortar. Just add water and mix. The product formula consists of special hydraulic binders, hydrated lime, selected fine grain aggregates, adhesive resins and aerating and water repellent additives. The product is designed for use as a finish plaster on **ANTOL RISAN SYSTEM INTONACO WTA**, **ANTOL RISAN SYSTEM DEIDRO**, **ANTOL RISAN SYSTEM DEIDRO PROJECTION** and **ANTOL RISAN ONE**, for indoor and outdoor applications. Mixed with water it forms a plastic, aerated plaster with excellent workability and good thixotropic properties. Easy to apply with a trowel. No sagging or chipping. Excellent adhesion and fully compatible with plaster substrates. Thanks to its special formula, when applied the product forms a porous structure which ensures a very high level of breathability. It becomes part of the plaster substrate to form a long-lasting, highly breathable finish with an excellent appearance.

ANTOL RISAN SYSTEM FINITURA is available in white and grey.

IMPORTANT

- Do not apply **ANTOL RISAN SYSTEM FINITURA** to gypsum-based plasters.
- Do not apply **ANTOL RISAN SYSTEM FINITURA** to plaster or brickwork which have been treated with paints or synthetic coatings.
- Do not apply **ANTOL RISAN SYSTEM FINITURA** to flaking, degraded or inconsistent plasters or substrates or where surface irregularities exceed 5 mm.
- Do not use **ANTOL RISAN SYSTEM FINITURA** to make thick layers of plaster.
- Do not mix the product with other binders such as cement, hydraulic lime, gypsum, etc.
- Do not add water when the mix has already started to set. Only mix the amount of product you can use within the pot-life.
- Do not apply **ANTOL RISAN SYSTEM FINITURA** when the temperature is too high or when there are strong winds. Protect from direct sunlight. Mix with cold water. Apply the product in the cooler hours of the day. Protect the surface from wind.
- Do not apply **ANTOL RISAN SYSTEM FINITURA** at temperatures below +5 °C or above +35 °C.
- Do not paint **ANTOL RISAN SYSTEM FINITURA** surfaces with non-breathing paints. Do not cover with non-breathing synthetic coatings.

INSTRUCTIONS FOR USE

1. Old substrates made from cement, cement-lime and hydraulic lime mortars and plasters:

The surface to be treated must be clean and solid, without any dust, loose material or dirt of any kind. Remove all traces of oil, grease, paints and synthetic coatings. Prepare and thoroughly wet the substrate. Allow any excess surface water to evaporate.

2. New renovating and dehumidifying plasters:

Wait until the plaster is fully cured. (Allow at least one day for each millimetre of thickness of the renovating/dehumidifying plaster applied). Check that the surface of the plaster is rough enough to provide a good key. If necessary, roughen the substrate with a suitable tool. Prepare and thoroughly wet the substrate. Allow any excess surface water to evaporate.

Mix **ANTOL RISAN SYSTEM FINITURA** with 24 to 26 % water, i.e. with approx. 6.0 to 6.5 litres for a 25 kg bag. Mix with a mechanical stirrer (a low-speed drill with a mixer attachment) for at least 3 minutes until you have a smooth, lump-free, plastic, aerated mix.

The mix prepared in this way has a pot life of about 90 minutes under normal conditions (20 °C). Higher temperatures reduce the pot life, lower temperatures increase it.

Apply the mix with a float trowel or a paddle. Apply as thin a layer as possible given the roughness of the substrate. Do not apply a thickness of more than 5 mm. One layer is usually enough. On very irregular surfaces, especially at the joints with old plaster, it may be necessary to apply a second layer; apply the second layer as soon as the first layer begins to set.



When the last layer has set (this takes between 20 and 30 minutes under normal conditions), finish off using a sponge float.

Allow the smoothing layer to harden for at least 21 days. After this time you can paint the surface with **ANTOL RISAN SYSTEM PITTURA** or other silosanic, silicate or lime paints provided that they are of the highly breathable type. The tools used to apply the product can be cleaned with water before the mix hardens. Once hardened, the mix must be scraped off.

SETTING / HARDENING TIME

Before you apply **ANTOL RISAN SYSTEM FINITURA** allow the renovating/dehumidifying plaster substrate to cure completely. (Allow at least one day for each millimetre of plaster thickness). After application, protect the finished surfaces from direct sunlight and wind for the first few hours. Before painting with a breathable coating, wait at least 21 days for the **ANTOL RISAN SYSTEM FINITURA** to harden completely.

CONSUMPTION

Consumption of **ANTOL RISAN SYSTEM FINITURA** is approximately 1.4 kg/m² per millimetre of thickness.

STORAGE

Store **ANTOL RISAN SYSTEM FINITURA** in a dry, protected place. Unopened in its original bags, the product can be stored for at least 12 months.

PACKAGING

25 kg vacuum bags.

CERTIFICATIONS

The EC Declaration of Conformity for the product is available on request.

SPECIFICATION

ANTOL RISAN SYSTEM FINITURA
Application of highly breathable fine-grain mortar for the finishing of renovating and/or dehumidifying systems, classified as EN 998-1 GP type (Antol Risan System Finitura by Torggler Chimica Spa) with approximate consumption of kg/m².