



**Sicilgesso®**  
GESSO. MALTE TECNICHE.

A COMPANY OF  
**mgigroup**  
SINCE 1948



# RISANA INTONACO

Highly breathable dehumidifying macroporous cement plaster, formulated with selected aggregates and specific additives such as to give it excellent workability, breathability and adhesion to the substrate.

RISANA INTONACO is classified according to the European standard EN 998-1 as a CSII category renovation mortar R.

TECHNICAL CHARACTERISTIC	
Appearance	Grey powder
Powder bulk density	≈ 1250 kg/m <sup>3</sup>
Granulometry	≤ 1,4 mm
Fresh mortar density	≈ 1450 kg/m <sup>3</sup>
Hardened mortar density	≈ 1200 kg/m <sup>3</sup>
Workability	≈ 5 h
Compressive strength	4,5 N/mm <sup>2</sup> (CSII)
Flexural strength	1,5 N/mm <sup>2</sup>
Adhesion	0,8 N/mm <sup>2</sup> – FP:B
Capillary water absorption at 24h	≈ 0,8 kg/m <sup>2</sup>
Water penetration after 24h	≤ 5 mm
Thermal conductivity	λ <sub>10,dry,mat</sub> (P=50%)= 0,33 W/m·K (val. tab.)
Water vapour permeability	μ = 3
Reaction to fire	A <sub>1</sub> Class
Consumption	≈ 11 kg/m <sup>2</sup> for cm of thickness
Mixing water	≈ 20% (≈ 5 l for 25 kg bag)
Data expressed at 22 ± 1 ° C with relative humidity at 50 ± 5%. Lower temperatures lengthen the maturation and hardening times; higher temperatures reduce the curing and hardening times.	

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



## **BAG / PAPER BAGS OF 25 KG ~ PACKAGING / ON PALLETS OF 50 BAGS**

### **INDICATION FOR USE**

Hand or machine production of breathable base-coat plasters, for the restoration of old damp wall of any type and thickness. For exteriors and interiors.

### **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;
- for new masonry application, make sure that the bedding mortar is sufficiently cured;
- in the case of damp walls, remove the pre-existing plaster for at least 1 meter beyond the water demarcation line;
- wash the surface to be treated with plenty of water the evening before the application; place wooden and plastic rulers and remove them at the end of the work.

Mixture preparation - machine: adjust the flow meter until the desired consistency is obtained.

Mixture preparation - concrete mixer:

- introduce the needed amount of water into the clean concrete mixer, add the powder slowly and continuously;
- mix for 3-4 minutes until the mixture is homogeneous;
- remove the dust from the walls of the mixer;
- mix again for another 3-4 minutes;
- stop the concrete mixer at the end of mixing to prevent the mixture from incorporating excessive air with a consequent reduction in the final resistances.

Mixture preparation - hand or mixer:

- introduce the necessary water into a clean container;
- mix the required amount of powder;
- continuously add the powder
- mix until a soft and homogeneous mixture is obtained.

RISANA INTONACO is applied as an initial render layer, approximately 5 mm thick, without being smoothed. Subsequently, once it has dried (approx. 12 hours), moisten if necessary waiting for the disappearance of the surface water film and apply the plaster in a layer that guarantees a total thickness of at least 2 cm. If salinity is considerable, wait at least 24 hours between applying the render coat and the second coat. For greater thicknesses application, the thickness of the renderer coat can be increased up to 1-1.5 cm and apply the plaster up to 3 cm. The product must be levelled with an aluminium straightedge, without compressing the product excessively to not compromise its breathability, within 40 minutes from the application. Wait at least 7 days before applying the finish coat and at least 2-3 weeks before applying coloured finishes. To improve the dehumidifying characteristics of the plaster, use breathable finishes, lime-based or silicate-based colour finishes.

### **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.

When making the mixture, use clean water.

Do not add external components to the RISANA INTONACO mixture.

### **VOCE DI CAPITOLATO**

Supply and installation of breathable dehumidifying macroporous cement plaster, for internal and external use RISANA INTONACO, provided with CE marking according to EN 998-1 (class R- CSII). The product has to have a compressive strength after 28 days between 1.5 and 5 N / mm<sup>2</sup>. The product has to be applied in two coats, in the first as a rough coat and in the second as a plaster, until reaching a minimum overall thickness of 2 cm.



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**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](http://www.sicilgesso.it)*