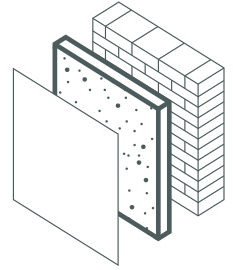
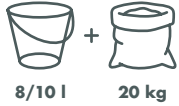


RH100



BLEND



8/10 l 20 kg

APPLICATION



5° - 30°

Operative data

- Supply of pre-packaged powdered mortar type UNI EN 998-1. Packaged in 20 kg paper bags
- Dilute by adding clean water, 8/10 liters per bag
- Application temperature between + 5° C and + 30°C
- Indicative consumption 8,5 - 9 kg/m² per cm of thickness
- Thickness: 1,5 - 13 cm



The data shown refer to tests carried out by the CMR snc (VI) laboratory; during site application these can be significantly modified according to the conditions of installation. The user must however check the suitability of the product for the intended use, assuming all responsibility that derive from the use. Our products are subject to continuous controls both on raw materials and on the finished products, in order to guarantee constant quality. Our technicians and consultants are at your disposal for information, clarifications and questions about the use and pose of our products. RiceHouse srl reserves the right to make changes without prior notice.

BASE COAT PLASTER

Natural blend of lime plaster and rice husk.

Components

RH100 bioplaster is a composition based on rice husk, hydraulic lime and pure air lime classified according to UNI EN 459-1 with classification CL 90-S. On request, can be added marble powder, or opus signinum.

Product description

Plaster mortar obtained mixing expertly the most used binder in the history of architecture, air lime, with rice husk-an agricultural product that derive from the husking of paddy rice (raw rice after threshing).

Pre-packaged base coat plaster mixture of both internal and external. It is suitable both for manual installation, as per traditional pose, and plastering machines. A product created only by top quality raw materials, selected with wisdom and care.

RiceHouse offers a range of products dedicated to the bio-construction, environmental sustainability and wellbeing. The products are a result of careful research and selection of the best natural raw materials, in order to meet the needs of attentive and sensitive professionals in the sector.

WARNINGS!

Do not apply the product at temperatures below + 5°C and above + 30°C. Follow the instructions in this datasheet. For inquiries please contact our technical service at +39 329 1869562.

Technical features

Thermal conductivity	λ 0,07 (W/mK)
Resistance to water vapor diffusion	μ 5,5 (-)
Adhesion	01 FP type B (N/mm ²)
Compression strenght	class CS1
Density of the hardened mortar	1420 (kg/m ³)
Specific heat	1500 (J/kgK)
Heat resistance	R 0,89 (m ² K/W)
Reaction to fire	A2
Thermal conductance	C 1,123 (W/m ² K)
Water absorption	W0

Quality



The RH100 bioplaster, thanks to the perfect symbiosis of natural materials, guarantees excellent qualities as:

- Improvement of the indoor **living comfort** and wellbeing
- **Reducing** indoor **pollution** by subtracting CO₂ from the air inside the building's structures
- **Healthiness** of the walls for a maximum well-being
- **Regulates** internal **humidity**
- The **thermal insulation** and **phase shift** generated by the plaster layer amplifies the feeling of natural well-being both in summer and winter
- The high **breathability** of the plaster layers allows to absorb significant amounts of water vapor
- The high content of silica of the husk makes the biocomposite **durable** and **resistant** to biological agents such as molds and insects
- Its porosity generates a noise-absorbing effect contributing to the increase of the **acoustic comfort**
- Good adherence and **performance compatibility** with all types of masonry
- The biocomposite generates an **extremely reduced ecological footprint**
- The product is an **Italian brand** consisting only of raw materials produced in Italy, from a short supply chain
- The use of the husk, very high in silica, gives the plaster a **high inertia to fire**
- The use of rice residuals **reduces the environmental impact**, generated during the production, use, disposal and recycling of the compound, to **almost zero**

Method of application

1. Preparation of the support

On existing brickwork masonry

- Eliminate the presence of old plasters.
- Wash the masonry with a pressure washer to remove salts, powders, oils and additives.
- Moisten the wall in order to ensure a gradual setting without mortar "burns".

On new brick masonry

- Moisten the support in order to prevent the risk of sudden dehydration of the mixture just applied.

2. Preparation of the blend

- Mix adding to the pre-packaged bag, 8/10 liters of clean water, until a pasty and lump-free mix is obtained.

3. Application of the plaster

- Apply the product in layers of max. 2 cm thickness and level with a straight edge, making it compact and wait for the layer just made to harden before applying others. The product, once completely hardened, can be treated with natural finishing plasters based on thin-grain lime, or natural lime or natural marble paints and establishments.

4. Recommendations

- Apply at temperatures between + 5 ° C and + 30 ° C. The plaster must be separated from the walking surfaces (pavements, roads, terraces, etc.) where water stagnation can occur and from contact with the ground, in order to avoid triggering the phenomenon of capillary rising water. In order to prevent this phenomena, it is advisable to apply Rinzafo MGN for a 15 cm strip above ground.

5. Method of conservation

- The product can be stored for 4 months in dry places. Keep away from frost.

6. Security

- Due to its natural lime content, RH100 is an alkaline material. Use of a mask and gloves is recommended during application. In case of accidental contact with the eyes, wash thoroughly with water and consult a doctor.

The RiceHouse plasters and products, while being easy to apply, are subject to the quality of installation. The installation of the materials that we produce must necessarily be subject to the instructions of our area managers.