

R-LIGHT 1000



Lightened machine gypsum render for interior application

In accordance with the requirements of
EN 13279-1:2008

*Dry product based on gypsum for
machine and manual application*

PURPOSE

R-LIGHT 1000 is a factory produced lightened mixture based on improved gypsum and special additives. The vapor permeability of the product makes it suitable for application of single-layer interior renders on walls and ceilings, in premises with normal air humidity (up to 50%). The plaster can be applied both by machine or manually, creating a smooth base for further application of interior plasters and wall coverings.

For achieving an optimal smoothness before applying of interior coverings such as latex paints and others, it is recommended to create an additional layer with the fine plaster **COLOR KIT**.

PROPERTIES

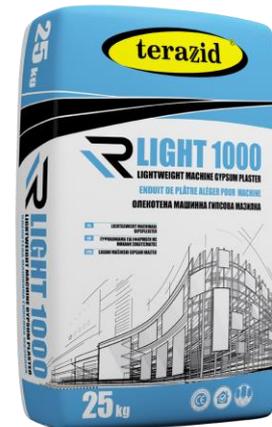
- ❖ factory produced
- ❖ lightened
- ❖ good vapour permeability

PREPARATION OF THE BASE

R-LIGHT 1000 is suitable for application over all types of construction bases. The base should be dry, not frozen and well cleaned, free of oil stains. Crumbly and unstable surfaces, without the necessary bearing capacity are not allowed. Smooth bases and concrete surfaces should be primed with **TERAZID G-22 (BETONCONTACT)**. High water-absorbing surfaces should be primed with deeply penetrating primer **TERAZID G-55**.

WORKING TOOLS

- machine for application of gypsum plasters
- lute
- mortarboard



APPLICATION AND PROCESSING

For the complete dissolution of 25 kg **R-LIGHT 1000** around 13,5 litres of water are required. The ready solution should be sprayed in stripes arranged in one single layer with minimum thickness 10 mm, and then smoothed with H-form aluminium lute. The normal thickness of the finished render should be around 20 mm.

After the plaster is hardened enough, it should be additionally smoothed through water scraping.

In cases of **R-LIGHT 1000** machine application, protective profiles should be installed at all corners and edges, and if necessary, guiding profiles for more accurate levelling of the render.

When the plaster is to be applied on two adjacent different types of bases (brick masonry and concrete wall), it is necessary to be reinforced with fibreglass mesh. The reinforcing mesh should be in form of a 20 cm wide tape. It should be placed over the entire length of the jointing, in order to prevent any possible cracks into the contact zone between the two different bases.

The render humidity should not be higher than 1%, when applying the next covering. Due to this requirement, it is necessary, during the first 14 days after **R-LIGHT 1000** application, to provide constant ventilation, without direct air drafts in order to avoid accelerated drying of the render.

CONSUMPTION

- 8 kg/m², for 1 cm thickness of the layer

TECHNICAL DATA SHEET

R-LIGHT 1000



WEATHER CONDITIONS FOR APPLICATION

R-LIGHT 1000 is designed for interior application. The minimum twenty-four-hour temperature of the air and the base should not be less than +10°C, and the maximum – not higher than +25°C

FORM OF DELIVERY

Dry mixture in paper bags of 25 kg and silos with a capacity of up to 20 m³.

NOTES

Characteristics and technical data of the product, pointed out into this Technical Data Sheet are defined at a standard temperature (20°C) and relative humidity (50%). In other weather conditions,

the technological time for some of the processes, mentioned above, could be shorter or longer.

The information of the product is based on the practical experience of the manufacturer and the technical tests in specialized laboratories.

It is not recommended to add cement, sand and others to the plaster, because this will compromise the quality of the product.

All hazards and precautionary statements about **R-LIGHT 1000** can be checked in the Safety Data Sheet of the product.

STORAGE

12 months into the originally sealed packages, in a dry and ventilated store. It is recommended to be stored on pallets.

CHARACTERISTICS AND TECHNICAL DATA

Colour	White
Form (aggregate state)	dry powder
Base	gypsum
Bulk density	900 kg/m ³
Open time for work	around 3 hours
Minimum application thickness for walls	1 cm
Minimum application thickness for ceilings	0.5 cm
Maximum application thickness for ceilings	1 cm
Compressive strength	1.1 N/mm ²
Bond strength	0.6 N/mm ²
Flexural tensile strength	0.6 N/mm ²

The manufacturer is responsible for the product quality, but not for the manner and the conditions of its usage. The information into the present Technical Data Sheet is reliable, but only if the product is used under the stated specified conditions. The responsibility of any other usage of the product, including its usage in a combination with any other product or process, is borne by the user.