

GYPSUM.

HYDRO PLASTER

Technical data sheet

Revision: 24/04/2020

Manufacturer: GYPSUM s.r.l.

The material

These products are made using Tradition plaster, Extra-hard plaster or Resin plaster by adding to the mixture selected additives that make the product water-repellent in mass. Hydro plaster has a class A1 fire resistance.

The product

Natural plaster is a hygroscopic but water-soluble material, which can continuously absorb and release water vapour without deteriorating, but when it comes into contact with water, it absorbs it until saturation, after which the water-solving process begins. Thanks to our efforts in research and technological development, we have developed Hydro plaster, which stands out for its capability to repel water drops and counteract the phenomenon of water solubility that is typical for natural gypsum, to the point of being suitable for manufacturing non-structural decorative elements intended for environments with high humidity such as SPAs, wellness centers, swimming pools, Turkish baths, saunas, outdoors covered structures, etc.

Caution: despite its strong resistance to water solubility, Hydro plaster cannot be immersed in water.

The products are made by casting in moulds or with a traditional drawing system; the fineness of the material guarantees a faithful reproduction of every detail.

Hydro plaster complies with the European standard EN 13279-1.

The artefacts arrive on site ready to be used and, once laid and grouted on the joints, they should be painted with water-based enamels or other paints resistant to very humid environments.

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The choice of using Tradition gypsum, Extra-hard plaster or Resin plaster as the basic material, as well as the decision on the type of reinforcement to be adopted, depends on the type of product to be made. Please, refer to the technical data sheets of the two plasters for more information.

The project

GYP SUM works alongside architects and designers to give the best technical support during the design phase, assessing the customer's request to provide the right construction suggestions for the artefacts, the possibility of splitting it into parts and the correct implementation.

Our technical staff will support the designer through 2D and/or 3D CAD drawings, as well as through physical samples.

Whether it is a single piece or a series production, we are able to guarantee a constant and high quality standard of the product.

Technical characteristics

The materials used during production are the result of lengthy research. For this reason every raw material and every additive are carefully chosen and purchased only from suppliers who can guarantee to supply consistent-quality materials.

The additives used to make Hydro plaster do not affect the technical and mechanical characteristics of the gypsum used as the basic element, which is why we encourage you to refer to the technical files for Tradition plaster, Extra-hard plaster and Resin plaster.

Use instructions

The products should be kept in a covered place, should be handled with care and should be laid shortly after being removed from the packaging.

A site check is necessary to verify that the conditions in place are suitable for the product's use, also taking into consideration the sector tolerances that affect production.

Note

We are at your disposal for any further information.

GYP SUM reserves the right to modify the content of this sheet without notice.

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