DUROKAL 16

Synthetic plaster, 99.9% pure, for the production of moulds, models and replicas



[info. **PRECAUTIONS**]

Work only with clean water that is not excessively cold and clean containers. Use in accordance with the instructions on the technical data sheet and safety data sheet. Wear full protective clothing. Consult the toxicological data sheet.

[info. **FEATURES**]

APPEARANCE	WHITE POWDER
Powder/water mixing ratio	1 Kg / 0,28 L
Processing time	About 10-12'
Solidification point	15-20'
Compressive strength	> 50 MPa
Flexural strength	> 8 MPa
Degree of whiteness (L)	> 95

[info. **PACKAGING**]

25 kg bag.

[info. **STORAGE**]

The product must be stored in dry places and in tightly closed containers, avoiding exposure to moisture.

[info. **TECHNICAL SERVICE**]

Detailed technical instructions on the use of the products can be requested from your local representative or directly from PROIND srl.

DUROKAL 16 is a **powder that can be mixed with water. After brief mixing, it forms a plastic, pourable mass that can be used to make reliefs, models and reproductions**.

Instructions for use

Pour the DUROKAL 16 powder into the specified amount of water. Mix well for about one minute, until the initially viscous mass becomes plastic and pourable (for mixing large quantities, it is advisable to use an electric/mechanical mixer).
Pour the mixture in slowly to prevent too many air bubbles from forming. After 15-20 minutes from the start of pouring, the object can be removed from the mould. The object thus created will have a high initial temperature but will cool down quickly: it is advisable to place it in a well-ventilated area (e.g. on wooden slats). Once hardened (approximately 8 hours), the surfaces can be treated with colours or acids.
The drying cycle will be complete after 48-72 hours at a recommended temperature of approximately 40 °C.

Surface finishing

Once dry, the surfaces can be decorated using water-soluble acrylic paints, varnishes or coatings.

Advantages

- High resistance of the products.
- Very low expansion.
- Low thermal reaction peak (approximately 30 °C).
- Does not contain substances harmful to the user.
- Biodegradability of the products obtained.
- Final appearance similar to porcelain.
- Easy to handle.
- Rapid hardening without additives.
- No drying or baking required.
- High precision reproduction and definition.
- Treatment of bulk or surfaces with pigments and colours.
- Finished product can be polished with brushes.
- Tools can be washed with water.