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GV41-DIPLAST

PURE NATURAL RESIN AT 99.9%

A synthetic resin in powder that mixed with water in appropriate stoichiometric ratios is perfectly pourable in any formwork and guarantees rapid hardening without the need for cooking.

Special benefits

- High resistance of the products for many sectors of use
- Very low expansion
- Biological safety due to the natural derivation of the various components
- Biodegradability of the artifacts obtained
- Adaptability to industrial or infant processing
- Molecular structure of the finished product similar to porcelain
- No need for drying or cooking
- Low thermal reaction peak around 30 °C.
- Very high reproduction accuracy
- Possibility of mass or surface colors
- Physiologically non-toxic
- Possibility of polishing the finished product with the brushes
- Possibility of galvanic bath finishes
- Water washable utensils

Caratteristiche

• Aspect:	White powder
• Mix Ratio powder : water	1 Kg : 0,28 l
• Working time	Ca. 10-12 min.
• Solidification point	App. 15-20 min.
• Superficial hardness	More than 300 N /mm ²
• Compressive strength	More than 50 MPa
• Flexural strength	More than 8 MPa
• Degree of whiteness (L)	More than 95 (L*)

Recommendations for use

- Product can be poured into any type of mold.
- Fill a container with water and sprinkle the product until absorbed.
- Shake by hand or with a stirrer (max. Rpm 300 per minute) for about 2 minutes.
- Be careful not to create air bubbles, specific Veltman anti-bubble products are recommended for large quantities.
- Pour the mixture into a formwork or use for low pressure injection molds.
- Pot life time: about 10-12 minutes at 20 °C
- Removal time from the mold: about 20-40 minutes.
- Max hardening time after about 8 hours in a dryer with a max temperature of 40°C.

Useful tips

- It is important to use only pure water and clean containers.
- Do not exceed the working time.

Packaging

- Bags of paper 25 kg

Minimum conservation

- At least 12 months in closed rooms

The above recommendations are provided to the best of our knowledge, after careful consideration. We guarantee the quality of our products according to our specifications. Any further liability cannot be accepted as the correct application of our products is beyond our control.

PRODUCT FEATURES

GV41-DIPLAST synthetic resin, is an innovative product in the class of so-called synthetic or artificial plasters, which is mixed with water in appropriate stoichiometric ratios.

After stirring, a fluid and perfectly pourable mass is obtained in silicone rubber molds, in any formwork or low-pressure injection molds.

GV41-DIPLAST in its formulations suitable for casting guarantees a natural rapid hardening without the need for firing; the details obtained with this product guarantee a perfect replication of the original without any deformation or shrinkage and can be decorated with all kinds of colored supplies (synthetic, acrylic, solvent or water) and also treated in a galvanic bath.

GV41-DIPLAST is suitable for infant processing as it is completely non-toxic without any harmful reaction in processing, contact and / or ingestion and / or aeration.

The processing tools are washed with water.

The Veltman Italia Company is able to supply setting retardants, hardeners, fluidifying agents, de-airing agents and catalysts, capable of giving particular characteristics to the product.