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GV21-WATERPROOF

WATERPROOF SYNTHETIC GYPSUM

A synthetic resin in powder that mixed with AV21-CLAYDUR in appropriate stoichiometric ratios is perfectly pourable in any formwork and guarantees rapid hardening without the need for cooking. Attention: AV21-Claydur should be used as water substitute.

Special benefits

- Impermeability of the artifacts
- Very high resistance of the artifacts for many sectors of use
- Very low expansion
- 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
- Biological safety due to the natural derivation of the various components
- Adaptability to industrial or infant processing

Caratteristiche

- Aspect: White powder
- Mix Ratio powder : AV21-Claydur 1 Kg : 0,28 l
- Working time Ca. 10-12 min.
- Solidification point App. 15-20 min.
- Superficial hardness More than 300 N /mm²

Recommendations for use

- Product can be poured into any type of mold.
- Fill a container with AV21-Claydur 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

GV21-IMPERMEABILE synthetic resin, is an innovative product in the class of so-called synthetic gypsums or artificial, which is mixed with AV21-CLAYDUR in suitable stoichiometric ratios. After stirring, a fluid mass is obtained which can be perfectly poured into rubber molds silicone, in any formwork or low pressure injection molds.

GV21-WATERPROOF in its formulations suitable for casting guarantees a natural rapid hardening without the need of cooking; the products thus obtained are waterproof to dive without the need for any further treatment as per the certification issued from the Giordano Institute of Imola. The product reaches maximum impermeability after 3 weeks of immersion and has the additional advantage of achieving very high mechanical strengths, incomparable to any other synthetic gypsum.

GV21-IMPERMEABILE is suitable for infant processing as it is completely non-toxic without no 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, thinners, de-airing and catalvsts. able to aive particular characteristics to the product.