

ZELLAN

Casting Compound

:: CHARACTERISTICS

ZELLAN is a synthetic material for producing reliefs, ornaments and molded part of all kinds. It is a harmless & odourless acrylate in powder for the manufacture of porcelain imitations.

:: PRODUCT DATA

PRODUCT MATERIAL DATA

| | |
|-----------------|---------------------------|
| Material Type | Powder Form |
| Mixing Ratio | Powder : Water |
| Volume Ratio | 3 ltr : 1 ltr |
| Weight Ratio | 3,5 kg : 1 ltr |
| = Mixing Volume | 2,3 ltr |
| Setting Time | +/- 20 Minutes |
| Drying Time | +/- 25 Minutes |
| Hardness | +/- 200 N/mm ² |

Easy Processing
 Fast Hardening Without any Additives
 Porcelain-like Structure of Moulded Parts
 No Drying and Firing Required
 High Reproduction Capacity
 Can be Coloured before Use
 Can be post Painted
 Physiologically Harmless

:: Processing

Prepare the mold, e.g., a commercially available flexible plastic, rubber or latex mold, plane and even. Sprinkle ZELLAN powder into the prepared water (water can be colored with dispersion paint) in the specified ratio, stir vigorously after complete wetting, without incorporating air bubbles. The use of an electric stirrer is advantageous for stirring larger quantities. After a stirring time of max. 2 minutes, pour the mixture into the mold in a thin stream, so that initially only a thin layer without air bubbles forms on the surface. The rest can then be poured in quickly. For delicate surfaces, first pour a thin layer and remove any air bubbles with a brush. Do not move the mass after the processing time has elapsed. The hardened cast can be removed from the mold after about 30 minutes. It heats up strongly and is best stored all around ventilated (e.g., on wooden slats) until it has cooled completely. After complete hardening (after about 8 hours), the surface can be colorfully designed.

:: PRECAUTIONS

Please refer to the current Safety Data Sheet and the relevant leaflets from the Employers' Liability Insurance Association for the Chemical Industry for instructions on handling the products and disposal.

The above information, especially the suggestions for processing and using our products, is based on our knowledge and experience under normal circumstances. Due to the varying materials, substrates, and differing working conditions, a guarantee of a work result or liability, regardless of the legal basis, cannot be derived from these instructions or from any verbal advice, unless we are accused of intent or gross negligence. In this case, the user must prove that they have timely and completely provided us with all the knowledge required for a proper and promising evaluation in writing. Third-party property rights must be observed. Additionally, our respective sales and delivery conditions apply. The latest Technical Data Sheet, which should be requested from us, is applicable.

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