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Acrylic One Basic

Introduction

Acrylic One is a two-part material consisting of a mineral crystal base and a water-based acrylic resin. These cross-link to form high strength reacted crystals within an acrylic envelope.

Main applications

Architecture, both interior and exterior
Decorations and decors
Laminated panels
Reproductions
Casting
Model building
Mould construction
Polystyrene cladding



Properties

Free of solvents
Low exotherm (max 40 degrees C)
Zero shrinkage
Environmentally friendly
Better working environment
Good fire retardant properties
UV resistant
Can be painted
Large variety of surface structures possible
Weather proof (coated)
Good mechanical properties

Processing

Acrylic One can be cast, laminated or sprayed. If wanted, Acrylic One can be filled with various fillers, to create metal and stone simulating surfaces. Mixing ratio 2 parts powder : 1 part liquid by weight.



Product range

Pigments, Thixotrope, Retarders, Accelerators, Diluent, Glass fabrics, Auxiliaries (mixing blades, brushes buckets), Coating systems.

Technical data (Indicative)

Color	Off white (*1)
Density (wet)	1.75 kg / dm ³
Density (dry)	1.66 kg / dm ³
Potlife	20-25 mins
Final set	1 hour
Shelf life	1 year (*2)
Shore D	85°
Expansion on set	< 0.1 %
Compressive strength	circa 30 MPa
LOP (limit of proportionality)	circa 20 MPa
MOR (modulus of rupture)	circa 60 MPa



(*1) Different production batches may present slight color varieties

(*2) If stored in closed packaging and above 1° degree Celsius

The Technical Datasheet for this or any **ACRYLIC ONE** product should be read prior to use and is available upon request from **Acrylic Composites. B.v.**

IMPORTANT: The information contained in this bulletin is considered accurate. However, no warranty is expressed or implied regarding the accuracy of the data, the results to be obtained from the use thereof, or that any such use will not infringe upon a patent. User shall determine the suitability of the product for the intended application and assume all risk and liability whatsoever in connection therewith.