

Acrystal Prima

A material for technique and decoration

For protected external and internal uses, with possibility of using aggregates

Applications

Casting and laminating applications, amongst others :

- Architectural decoration
- Replicas
- Scale models
- Theatre and movie sets
- Moulds
- Mould cases
- Foam coating
- Prototypes
- Models

Advantages

- At use
 - Non toxic
 - Very low odour
 - Easy to work
 - Solvent free
 - Good quality of work
 - Tools can be cleaned with water
 - Low exotherm
- The aspect
 - Infinite range of finishes
 - Impressive quality of finishes
 - Possibility to add mineral or metallic aggregates
 - Homogenous coloration
- The performances
 - Dimensional stability
 - Moisture resistance
 - Durability
 - Mechanical resistance
 - Fire resistance
- Economical
 - Less working time by employing the product
 - Significant increase of the life-time of silicone moulds
 - Excellent quality / price ratio
 - No solvent for cleaning
 - Few consumables

Acrystal Prima

is a solvent free composite material, which is very easy to work. It is available as :

- a liquid based on aqueous acrylic resins
- and
- a powder based on mineral crystal structures: Basic Crystal.

Product references

Acrystal Prima 20 kg : 1520] Kit
2 x Basic Crystal 25 kg : 1825] 70 kg
Acrystal Prima 4 kg : 1504] Kit
Basic Crystal 10 kg : 1810] 14 kg

Complementary products

- Pigments 1 kg
- Glass fibres 200-4D
- Acrystal Finition 5 kg (ref : 3310)
- Retarder 1 kg (ref : 3110)
- Thixotrope 1 kg (ref : 3210)

Processing

Mixing ratio by weight :

- 1 kg Acrystal Prima liquids
- 2,5 kg Basic Crystal powders

Blend Basic Crystal powder in Acrystal Prima liquids.

Extract air by usual techniques and cast into silicone rubber moulds.

or

Laminate with a wiper or brush using fibres for reinforcement.

or

Spray material with an adapted spray gun.

For an external use, apply Acrystal Finition or a paint on your finished product.

For more details, please see the illustrated users guide : www.acrystal.fr



Façade of the Hotel Majestic Barrière of Cannes - By Etude & Réalisations Staff

Technical data (indicative figures)

Fresh wet density (unfilled)	1850 kg / m ³
Air dry density (unfilled)	1730 kg / m ³
Pot life	8 – 10 mn
Final set (demould)	20 – 100 mn
Compressive strength	25 – 30 MPa oven dry
Fire rating	M1
Maximal bending strength	18 MPa
Expansion at setting	< 0.1 %
Shore D hardness	81 - 83
U.V. resistance	excellent

All information contained in this data sheet is given in good faith. However, it remains all times the responsibility of the customer to ensure that the materials are suitable for the particular purpose intended.

primuk01

Acrystal
Matériaux
composites

29A rue du Maréchal Leclerc
F 67460 SOUFFELWEYERSHEIM
info@acrystal.fr - Tél. +33 (0)3 88 45 10 62
www.acrystal.fr