



Acrystal Decor Metal

Highlight

- ▶ A white composite material with two components:
 - an aqueous acrylic liquid resin "Acrystal Prima"
 - a powder «Acrystal Decor Metal» of natural mineral crystal structures and metal fillers
- ▶ Realization at room temperature of objects with a very realistic metal aspect and touch
- ▶ Can be used internally
- ▶ Can be used externally with a protective film
- ▶ Can be applied directly to foams such as polystyrene
- ▶ Can be used for casting, rotomoulding, laminating or spraying

Avantages

- ▶ During application
 - non toxic
 - low odour
 - easy to work with
 - aqueous, solvent free
 - no mould cleaning
 - tools cleaned with water
 - low exotherm (< 45°C)
- ▶ Aspect
 - impressive quality of finishes
 - high quality finish
 - possibilité possibility of patina
 - possibility of oxidation
- ▶ High performances
 - low expansion at setting (< 0,1%)
 - moisture resistance
 - fire resistance
 - durable
- ▶ Economical
 - less working time
 - excellent quality/price ratio
 - reusable moulds
 - increases life-time of silicone moulds
 - no solvents for cleaning
 - few consumables

Product references

- ▶ Kit Acrystal Decor Bronze 6 kg : 2180
- ▶ Kit Acrystal Decor Copper 6 kg : 2180
- ▶ Kit Acrystal Decor Tin 6 kg : 2180

Applications

- ▶ Architecture
- ▶ Interior design
- ▶ Replicas
- ▶ Scale models
- ▶ Scenography
- ▶ Museography
- ▶ Art & artwork
- ▶ Application on polystyrene

Complementary products

- ▶ Acrystal Prima
- ▶ Pigments 1 kg : 4111 à 4114
- ▶ Glass fibres 200-4D : 6260 / 6280
- ▶ Acrystal Finition 5 kg : 3310
- ▶ Retardater 1 kg : 3110
- ▶ Thixotrope 1 kg : 3210
- ▶ Aluminium wisk : 5110

For more details about this products : www.acrystal.com > products

Processing

- ▶ Mixing ratio by weight :
 - ▶ 1 part Acrystal Prima liquids
 - ▶ 5 parts Acrystal Decor Metal powders
- ▶ Blend Acrystal Decor Metal powder in Acrystal Prima liquids
- ▶ According to the application :
 - extract air by usual techniques and cast into silicone rubber moulds
 - use as a gel coat, then laminate with Acrystal Prima using a brush or spatula and reinforcing fibers.
 - spray material with an adapted spray gun
- ▶ After demoulding, leave the item at least 48 hours before any finishing operation
- ▶ Remove the resin film on the surface with wire wool , until the metal particles are exposed.
- ▶ Then apply a furniture wax or shoe polish and buff with a polishing mop
- ▶ For an external use, apply Acrystal Finition, a paint or a varnish on your finished product.

For more details about processing : www.acrystal.com > products > users guide



Théâtre de la Monnaie - Brussels - Aïda - 250 kg Acrystal Decor Tin - Photo: Karl Forster - www.forsterdesign.de - Bad Grönenbach - Germany

Acrystal®

Made in France

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Données techniques (valeurs indicatives)

Fresh wet density	2500 kg / m ³
Air dry density	2250 - 2300 kg / m ³
Pot life	8 - 10 mn
Final set (demould)	20 - 100 mn
Compressive strength	25 - 30 MPa oven drying
Expansion at setting	< 0.1 %
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.