

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 applied directly to foams such as polystyrene
- Possibility of patina or oxidation similar to real metal
- Can be used for casting, gelcoat or spraying

Advantages

- During application
 - non toxic
 - low odour
 - easy to work with
 - aqueous, solvent free
 - no mould cleaning
 - tools cleaned with water
 - low exotherm ($< 45^{\circ}\text{C}$)
 - metal aspect obtained at room temperature
- Aspect
 - infinite range of finishes
 - high quality finish
 - possibility of patina
 - possibility of oxidation
- High performances
 - low expansion at setting ($< 0,1\%$)
 - moisture resistance
 - fire resistance
 - durable
- Economical
 - less working time
 - reusable moulds
 - excellent quality / price ratio
 - increases life-time of silicone moulds
 - no solvents for cleaning
 - few consumables

Applications

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

Product references

- Kit Acrystal Decor Bronze 6 kg : 2150
- Kit Acrystal Decor Copper 6 kg : 2154
- Kit Acrystal Decor Tin 6 kg : 2158

Complementary products

- Acrystal Prima : 1514 / 1570
- Glass fibres 200-4D : 6260 / 6280
- Acrystal Finition 5 kg : 3310
- Retarder 1 kg : 3110
- Thixotrope 1 kg : 3210
- Aluminium whisk : 5110

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

Processing

Mixing ratio by weight:

- 1 kg Acrystal Prima liquids
- 5 kg 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 it as a gel coat, then cast or laminate with Acrystal Prima
 - 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 more details about processing :
www.acrystal.com > products > users guide



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

Technical data (indicative figures)

| | |
|------------------------------|---------------------------------|
| Fresh wet density (unfilled) | 2500 kg / m ³ |
| Air dry density (unfilled) | 2250 - 2300 kg / m ³ |
| Pot life | 8 – 10 mn |
| Final set (demould) | 20 – 100 mn |
| Compressive strength | 25 – 30 MPa oven dry |
| 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.

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