

Highlight

- A composite material of "mortar" type of very high performance with two components:
 - o an aqueous acrylic liquid resin
 - o a white cement based powder
- Material with very high surface hardness
- Can be used externally
- Use for partially or totally submerged elements
- Can be applied directly to foams such as polystyrene
- · Casting or laminating

Avantages

- · During application
 - o non toxic
 - o low odour
 - o easy to work with
 - o aqueous, solvent free
 - o no mould cleaning
 - $_{\circ}\,$ tools cleaned with water
 - o low exotherm (< 45°C)
- Aspect
 - $_{\scriptscriptstyle 0}$ infinite range of finishes
 - o high quality finish
- High performances
 - low expansion at setting (< 0,1%)
 - o moisture resistance
 - o fire resistance
 - 。 durable
- Economical
 - $_{\scriptscriptstyle 0}$ less working time
 - increases life-time of silicone moulds
 - o no solvents for cleaning
 - _o few consumables

Product references

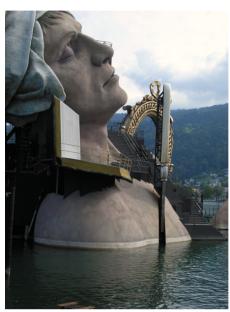
- Kit Acrystal Aqua 24 kg: 1224
- Kit Acrystal Aqua 200 kg: 1200



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Applications

- · Architectural decoration
- Scenography
- Museography
- · Art & artwork
- Fountains
- · Bathroom furniture
- · Aquarium rocks
- Climbing walls
- · Urban furniture
- · Work surfaces



Festival of Bregenz - Set by André Chénier on Constance Lake - The parts in contact with water are made of Acrystal Aqua - Austria

Complementary products

- Thixotrope Aqua 0,8 kg: 3205
- Mélangeur aluminium: 5110

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

Processing

Mixing ratio by weight:

- 1 kg Acrystal Aqua liquid
- 7 kg Acrystal Aqua powder
- Mix Acrystal Aqua powders alone than incorporate the liquid
- Mix until the product becomes fluid (the mix is very thick at the beginning but becomes fluid suddenly after a while) and homogeneous
- According to the application:
 - extract air by usual techniques and cast into silicone rubber moulds
 - laminate with a wiper or brush in a mould or apply on foams such as polystyrene
- · Demould after 24 hours
- Maintain the casting in a humid atmosphere at least during 72 hours

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



Birdhouses - Forearm of the artist Etienne Fleury casted with Acrystal Aqua - Parc of la Bonde - Equeurdreville - Hainneville - France

Technical data (indicative figures)

2340 kg / m³ Fresh wet density (unfilled) 2250 - 2300 kg / m³ Air dry density (unfilled) Pot life 40 - 60 mn Final set (demould) 24 hours Maximum hardness 28 days Compressive strength (28 day) 75 - 80 MPa Compressive strength immersed 75 - 80 MPa Maximal bending strength 10 MPa Shrinkage at setting < 0.07 % U.V. resistance excellent

Toutes les informations contenues dans cette fiche sont données à titre indicatif. Il reste cependant de la responsabilité de l'utilisateur de vérifier l'adéquation du produit avec l'utilisation souhaitée.