

Acrystal Aqua

Highlight

- A composite material of “mortar” type of very high performance with two components :
 - an aqueous acrylic liquid resin
 - 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
 - non toxic
 - low odour
 - easy to work with
 - aqueous, solvent free
 - no mould cleaning
 - tools cleaned with water
 - low exotherm (< 45°C)
- Aspect
 - infinite range of finishes
 - high quality finish
- High performances
 - low expansion at setting (< 0,1%)
 - moisture resistance
 - fire resistance
 - durable
- Economical
 - less working time
 - increases life-time of silicone moulds
 - no solvents for cleaning
 - few consumables

Product references

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

Acrystal
Matériaux
composites

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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 de la Bonde - Equeurdreville - Hainneville - France

Technical data (indicative figures)

Fresh wet density (unfilled)	2340 kg / m ³
Air dry density (unfilled)	2250 - 2300 kg / m ³
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.