

AQUAGLASS

CASTING RESIN



DESCRIPTION

AquaGlass is a solvent-free compound formulated for high-gloss resin casting.

RECOMMENDED FOR

- Encapsulating or embedding objects
- Covering surfaces for a glazing casting effect
- Creative bespoke furniture turning
- Art, Hobby, Craft Resin
- Interior use

KEY FEATURES

- Very low viscosity for ease of application
- Thickness up to 5 cm
- Long pot-life
- Excellent Flexibility
- Low stickiness and good leveling
- Ideal for creating casts
- No foam or air bubbles
- No need for vacuum or pressure chamber

PHYSICAL PROPERTIES

Solid Content	100%
Spreading Rate	Approximately 1.1 m ² /kg/mm
Casting thickness	Up to 5cm
Pot-Life	1 hour
Walkability at 20°C	About 48 hours
Full cure	After 7 days
Density	1.1 g/cm ³
Color	Crystal clear - Tintable using Colortek's Toughmatch colorants

TOOLS NEEDED

- A cover to protect your piece from dust while it cures.
- Spreader that can be wiped down with paper towel and reused.
- Disposable gloves to protect your skin.
- Stir stick
- Plastic drop cloth to protect your worktable.
- Mixing containers
- Resin stands to prop up your piece, so it doesn't get stuck to the table.
- Artist's torch to run a flame over your resin surface for a bubble-free, flawless finish.
- A level to ensure your final piece is embedded in a properly leveled cast.
- Art tape to tape off the underside of your piece to collect drips.

APPLICATION CONDITIONS

- Artwork should be clean and dry.
- Gather your tools before you start.
- Work in a dust free environment.
- Prep artwork: seal art or reinforce a stretched canvas as needed.
- Room temperature should be 23-25°C

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- Work in a well-ventilated area.

APPLICATION

- Mix the base component using a spatula and make sure the product is homogenous.
- Mix carefully component A with component B. Use a spatula for manual mixing, also use a rectangular stick to ensure products along the walls and the bottom of the can are properly mixed as well. If needed, pour mixed material in another can in order to homogenize the two components mix.
- Use the resin within 15 to 20 minutes after mixing the 2 components. Slowly pour the mixed product onto the substrate.
- Use a hair dryer or heat gun to pop surface bubbles and or foam.
- Large masses of the product will have a shorter pot-life due to the reaction being exothermic.

NOTICE

- It is important to protect aquaglass from direct sunlight during the first 24 hours after its application
- It is important to take into consideration that the product may flex if cast thinly over a large area.
- It should be cast at maximum thickness of 5 cm. For thicknesses greater than 5 cm, the surface should be cast in multiple times in more than one layer.
- In spite of the recommended thickness, the product when cast on large areas can generate a lot of heat due to the exothermic nature of the reaction leading to cracks and defects. Therefore it is recommended to cast the product in multiple thin layers (1cm) until reaching the desired final thickness.
- It is recommended to always test the product on a small scale first.

PACK SIZE

	Base	Hardener
1 US Drum (kg)	11.2	6.16
1 US Gallon (Kg)	2.3	1.23
1 US Quart (Kg)	0.56	0.31

SHELF LIFE

24 months from the date of production.

STORAGE AND HANDLING

Care should be taken to avoid spillage. Product should be stored in a dry area and protected from freezing. Extreme temperatures may cause paint to become unusable. For example: freezing and thawing may cause paint to gel, and high heat may cause solid skin to form.

SAFETY

Use under well ventilated conditions. Do not breathe or inhale spray mist or sanding dust. Avoid skin contact; spillage on the skin should immediately be removed with suitable cleanser, soap and water. In case of eye contact, flush immediately with water for at least 15 minutes and seek medical attention immediately. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

CLEANING

Remove as much leftover product as possible from the application equipment before cleaning. Clean equipment immediately after use with paint thinner. Do not empty product into drains or watercourses. Wash hands after use in warm soapy water.

TECHNICAL ASSISTANCE

Available through your local COLORTEK® Design Center or through your COLORTEK PAINTS® authorized distributor. For the location of the retailer nearest you, email us at info@colortek.eu or check our website www.colortek.eu.

DISCLAIMER

Product batches are subject to stringent quality control checks in conformity with ISO 9001:2015, Certificate LB18/234269. The information submitted in this manual is correct to the best of our knowledge & experience. No liability whatsoever can be accepted on the basis of the information supplied herein.

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