



Description

AquaGlass is an solvent-free epoxy compound formulated for high-gloss resin casting. The product is available in 4 variants: White, Frost, Soft and regular

Recommended For

- Encapsulation 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
- Thicknesses up to 10cm
- 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	<ul style="list-style-type: none">• Approximately 1.1 m²/kg/mm for Frost, Soft and regular• Approximately 0.8 m²/kg/mm for White
Casting thickness	<ul style="list-style-type: none">• Up to 10cm for White, Frost and Soft• Up to 5cm for regular
Pot-Life	1 hour
Walkability at 20°C	About 48 hours
Hardness	<ul style="list-style-type: none">• 80 after 7 days cure (shore A) for Soft• 80 after 7 days (shore D) for Frost, White and regular
Full cure	After 7 days
Density	<ul style="list-style-type: none">• 1.1 g/cm³ for Frost, soft and regular• 1.3 g/cm³ for White
Color	<ul style="list-style-type: none">• Crystal clear for Soft and regular - Tintable using Colortek's Toughmatch colorants• White• Hazy white for Frost



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
- 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 sunligh during the first 24 hours after its application
- The product Colortek AquaGlass Soft will dry to form a soft rubber like crystal clear film, if a harder surface finish is required it is recommended to use the regular version of AquaGlass.
- It is important to take into consideration that the product may flex if cast thinly over a large area.
- The regular version of Colortek AquaGlass 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.
- It is recommended to always test product on a small scale first.

Pack Size

	Soft	Frost	White	Regular	Hardener
1 US Drum (kg)	11.7	10.8	16.1	11.2	6.16
1 US Gallon (Kg)	2.34	2.17	3.22	2.25	1.23
1 US Quart (Kg)	0.59	NA	NA	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.

AQUAGLASS

CASTING EPOXY RESIN

DECORATIVE PAINTS & COATINGS



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.