

Product Data Sheet:

AQUA CAST® TURBO

WATER ACTIVATED CASTING COMPOUND

2.5kg

Aqua Cast® TURBO is a rapid-setting eco-friendly, polymer-enhanced casting & moulding material and faster setting than our standard Aqua Cast®. You only need to add water to make beautiful homeware and art/craft creations.

The acrylic co-polymer, usually supplied in liquid form as component B, has been removed and the additives have been fused into a revolutionary new powder, Aqua Cast®. The polymer enhanced compound benefits from excellent cured strength. All other mechanical properties normally found in a traditional powder and polymer mixture are retained without the need for a separate liquid polymer.

Simply add water, mix and pour.

Guide powder to water mix ratio 100:40, (2.5:1) e.g. 100g powder and 40g/ml water. The above is a guide ratio only, it can be changed to alter the desired viscosity and tailored to application.

- Environmentally friendly
- Perfect for coasters, ornamental vases, planters, candle holders, soap dishes and detailed figurines
- Ideal for ceramics & textured art pieces
- Can be used to create terrazzo pieces
- Excellent reproduction of detail
- High surface hardness and strength
- Smooth, impact resistant surface
- High degree of weather resistance for external applications

HOW TO USE IT:

Adding Colour:

Use any water-based pigment e.g. resi-TINT acrylic inks, acrylic paints or powdered pigments. Any solid can be added (sand, mica, quartzite, dried shards of Aqua Cast® etc).

Mixing & Application: Aqua Cast® TURBO viscosity and consistency can be controlled to suit the application. Alterations to the guide powder to water ratio will affect the cured performance, particularly the drying time and ultimate strength.

Measure the correct amount of water and gradually add the corresponding quantity of powder, whilst stirring by hand or with an electric mixing blade for 2-3 minutes until uniform and smooth. For example:

- 100g powder to 40g/40ml water
- 150g powder to 60g/60ml water
- 200g powder to 80g/80ml water
- 300g powder to 120g/120ml water

Add pigments at the mixing stage to obtain the desired colour shade. The Aqua Cast® TURBO mixture will rapidly become creamy and lump free. Tap the mixing vessel to assist air release, pour and allow to settle. Any residual bubbles can be popped by agitating or tapping the mould. Premature demoulding may result in marks on the surface.

Pot Life: Approximately 8-10 minutes @23°C.

Drying Time: Demould in 15-20 minutes (temperature and mix ratio dependent). Maximum cured strength 24-48 hours.

The usable drying time is 3-5minutes when mixed and applied on a flat surface (without the need to demould afterwards) e.g. to make terrazzo pieces, poured display art or layered work.

Shelf Life: Indefinite when kept 100% dry in storage.

Storage: Avoid storing in external conditions or in areas subject to damp.

To help protect Aqua Cast® TURBO during storage, open or part used kits should be carefully closed and sealed after each use.

For water resistance please see our range of Hydroflow sealers.