

Product Data Sheet:

Aqua Cast

Water Activated Casting Compound

3kg, 10kg, 15kg and 25kg kits

Aqua Cast is an eco-friendly, polymer enhanced casting/moulding material which only needs the addition of water to make beautiful homeware.

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 to water, mix and pour.

Guide powder to water mix ratio 100 : 35, (2.8 : 1).
E.g. 100g powder and 35g 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

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

The desired 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 desired amount of water, add the corresponding quantity of powder gradually during mixing. For example:

100g powder to 35g water
150g powder to 52g water
200g powder to 70g water
300g powder to 105g water

Mix by hand or with an electric mixing blade for 2-4 minutes until uniform and smooth. Add pigments at the mixing stage to obtain the desired colour shade. The mixed solution will rapidly become creamy and lump free. Tap mixing vessel to assist air release, pour and allow to settle.

Any residual bubbles can be popped by agitating or tapping the mould. Allow to harden for 60-90 minutes before demoulding. Allow to dry for 24-48 hours to reach optimum cured strength.

Potlife: 10-15mins @23°C.

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

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

To help protect the product during storage, open or part used kits should be carefully closed and sealed after each use.

For water resistance please see our range of sealers.