

# Product Data Sheet:

## AQUA CAST® BLACK

### WATER ACTIVATED CASTING COMPOUND

**1.1kg & 3kg****Black**

As eco-friendly as our standard Aqua Cast®, Aqua Cast® BLACK is a water activated casting/moulding material with an intense black colour giving the illusion of a ceramic finish. Polymer fortified to provide excellent cured strength and durability.

Aqua Cast® BLACK is:

- Environmentally friendly, odourless and free of chemicals
- Perfect for coasters, ornamental vases, planters, candle holders, soap dishes, trinket trays and detailed figurines etc.
- Ideal for ceramics & textured art pieces
- Can be used to create terrazzo pieces
- Excellent reproduction of detail
- High surface hardness and strength
- 100% compatible with the regular white Aqua Cast® and Aqua Cast® TEXTURE variants
- High degree of weather resistance for external applications

The guide powder to water mix ratio is 100 : 25 (4 : 1) e.g. 100g powder and 25g water. Aqua Cast® BLACK can be altered to desired viscosity and tailored to the individual application. However, alterations to the guide powder to water ratio of 4 : 1 can affect the cured performance, particularly the drying time and ultimate strength.

#### HOW TO USE IT:

Any solid can be added (sand, mica, quartzite, dried shards of Aqua Cast®/TEXTURE etc.) but only in small amounts. Excess solids addition weakens the cured strength and can result in the article breaking when being demoulded.

**Mixing & Application:** Measure the desired amount of water, add the corresponding quantity of powder gradually during mixing. For example:

- 100g powder to 25g/25ml water
- 150g powder to 37.5g/37.5ml water
- 500g powder to 125g/125ml water

Mix Aqua Cast® BLACK by hand or with an electric mixing blade for 2-3 minutes until uniform and smooth. 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. Premature demoulding may result in marks on the surface. Allow to dry for 12-24 hours to reach optimum cured strength.

**PLEASE NOTE Aqua Cast® BLACK has an intense colour and we strongly recommend wearing gloves and protecting clothing during casting and demoulding. The fine particle size of the powder will leave stains on hands and under fingernails etc. It is advisable to wear gloves and protect your work surfaces to prevent staining. Any residue on the skin or work surfaces can be cleaned with warm water and soap/dishwasher liquid or cleaning wipes.**

**If the inside of moulds show black residue after demoulding these can also be cleaned using warm water and dishwasher liquid or cleaning wipes.**

**Pot Life:** Approximately 10 minutes @22°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 Aqua Cast® BLACK during storage, open or part used kits should be carefully closed and sealed after each use.