

TECHNICAL DATA SHEET

D233 CASTING RESIN (DEEP POUR)

V1-15/03/2024

DESCRIPTION

A water clear, solvent free, slow-curing, liquid epoxy casting resin specially designed for deep pouring and large volume casting projects. Deep Pour Casting Resin generates low heat, allowing castings at a maximum depth of 50mm.

PROPERTIES

- Clear gloss finish
- Self-levelling
- Excellent adhesion
- Good scratch resistance and flexibility
- Excellent waterproof properties
- Good mechanical properties
- Good wetting properties
- Excellent air release properties
- Can add colourants or mica powders to colour your design.
- UV Stabilised (Very low tendency to yellow)

COLOUR	: Water Clear
Nº. OF COMPONENTS	: 2
MIXING RATIO (VOL)	: 2 : 1
CONSISTENCY	: Liquid
VOLUME SOLIDS	: 100%
MIXED DENSITY	: 1.06
COVERAGE	: Varies according to application
MAXIMUM POUR DEPTH	: 50 mm
POT LIFE @ 25°C	: 4 - 8 hrs
TOUCH DRY @ 25°C	: 24 - 48 hrs
HARD DRY @ 25°C	: 72 hrs
FULL CURE	: 7 days
APPLICATION TEMPERATURE	: 15 to 25°C
CLEANING SOLVENT	: Ethanol
OVERCOATING TIME	: 48 - 72 hrs
SHELF LIFE	: 12 months
PACK SIZE	: 3, 15 & 30 litres

RECOMMENDED AREAS FOR USE

Used for river tables, live edge tables, filling large voids in substrates, embedding, encapsulation, potting & large mould castings.

While this resin has a very low tendency to yellow, we still do not recommend it for permanent outdoor applications.

CHEMICAL RESISTANCE

Resistant to most dilute acids & alkalis, petroleum products & salt water.

MIXING

Mix the components thoroughly for 6 - 8 min until mixture becomes clear. If needed, add colourants when epoxy is completely mixed. Pour mixed epoxy into a second container and mix for 1 minute. Owing to the resin's long working time, the mixture can stand for 10 minutes, allowing the bubbles caused from mixing to rise to the surface which can be popped by a heat gun before pouring begins.

SURFACE PREPARATION

All surfaces to be coated must be clean, structurally sound, and free of dust, oil and dirt.

APPLICATION METHOD

Applied via pour

TOXICITY

Although D233 is relatively non-toxic, it is recommended that the normal precautions in dealing with conventional epoxy resin systems be adhered to.

HOW TO SPECIFY

All castings to be suitably prepared and filled with D233 Casting Resin (Deep Pour) to a maximum thickness of 50mm in accordance with the manufacturer's instructions.

The technical data furnished is obtained from controlled laboratory tests under ideal application conditions. No guarantee of any performance characteristic is therefore given or implied and we do not hold ourselves responsible for any consequential damage of whatsoever nature that may arise from use of our products. In the event of a proven fault our liability will be limited to the replacement of the product only. It is the user's responsibility to confirm the currency of product data sheets.