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DATA SHEET

213 LIQUID EPOXY CASTING RESIN

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VI-28/11/2014

DESCRIPTION

- 213 is a low viscosity casting, encapsulating and crack injection compound.

MECHANICAL PROPERTIES

- Tensile strength @ 21 °C – 6.2 MPa.
- Compressive strength @ 21 °C – 65 MPa.
- Excellent adhesion and bond strength
- Good wetting and penetration
- Available in various viscosity and colour combinations.

CHEMICAL RESISTANCE

- Resists most common aggressive chemicals, petroleum products, dilute acids and alkalis, aliphatic solvents and sea water.

PRACTICAL USES

- Casting or encapsulating compound.
- Used as a primer for flooring compounds.
- Laminating resin with good wetting ability

SURFACE PREPARATION

- All surfaces must be sound and free of loose material, dust and oil.

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MIXING INSTRUCTIONS

- Mix the epoxy and activator in the proportions given using a flat blade, or slow mechanical stirrer. Make sure only sufficient quantity is mixed that can be used within 10 minutes.

CRACK INJECTION TECHNIQUES

- Seal the exterior and interior of the crack or cavity with 204 Epoxy Putty.
- Drill holes along the crack at suitable intervals and insert 5mm copper pipes, bonded into place with 202 Epoxy Adhesive.
- Pump or gravity feed the mixed resin from the bottom up and clamp the copper pipes when the resin has cured.
- Wipe off excess material with a damp cloth before the mixed resin has gelled.

TOXICITY

- Although 213 Epoxy is safe, inert and harmless when fully cured, care should be taken to avoid skin contact or inhalation of the uncured components during mixing and application. Refer to the relevant 16 point Safety Data Sheet.

HOW TO SPECIFY

- All cracks and voids to be suitably prepared and filled with 213 Epoxy Resin.

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TECHNICAL DATA

No. OF COMPONENTS	: 2
COLOUR	: Amber, Grey or Black
CONSISTENCY	: Liquid
MIXING RATIO (By Weight)	: 5 Parts Epoxy : 1 Part Activator
POT LIFE	: 15-20 minutes @ 25°C
HARD DRY (25 °C)	: 20-30 minutes
PRACTICAL CURE	: 4 Hrs
FULL CURE	: 7 Days
SOLVENT CONTENT	: Nil
MIXED DENSITY	: 1.5 –1,6 Kg/litre
CLEANER	: WSBC
SHELF LIFE	: 24 months
PACKAGING	: 5, 20 and 200 kgs

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 users' responsibility to confirm the currency of product data sheets.