

## TECHNICAL DATA SHEET

## D212 QUICKSET EPOXY ADHESIVE

V2-31/03/2024

### DESCRIPTION & USE

A high strength quick setting epoxy adhesive for the bonding of steel, glass, concrete, fibreglass, wood, asbestos, cement, ceramic tiles and most other building materials. Can be used in boat building and irrigation pipe repairs.

### PROPERTIES

- Bond Strength (@ 25°C):
  - Wood: Breaks wood
  - Concrete: Breaks concrete
  - Sand blasted steel: 15 N/mm<sup>2</sup>
  - Acid cleaned aluminium: 6-8 N/mm<sup>2</sup>
  - Acid cleaned alloy: 6-8 N/mm<sup>2</sup>
- Tensile Strength: 20 N/mm<sup>2</sup>
- Flexural Strength: 30 N/mm<sup>2</sup>
- Compressive Strength: 70 N/mm<sup>2</sup>

<b>COLOUR</b>	: Clear Amber
<b>Nº. OF COMPONENTS</b>	: 2
<b>MIXING RATIO (VOL)</b>	: 1 : 1
<b>CONSISTENCY</b>	: Thixotropic Waxy Paste
<b>VOLUME SOLIDS</b>	: 100%
<b>MIXED DENSITY</b>	: 1.12
<b>PRACTICAL SPREAD RATES</b>	: 1m <sup>2</sup> /ℓ
<b>POT LIFE @ 25°C</b>	: 8 min
<b>TOUCH DRY @ 25°C</b>	: 1 hr
<b>HARD DRY @ 25°C</b>	: 2 hrs
<b>FULL CURE</b>	: 7 days
<b>APPLICATION TEMPERATURE</b>	: 10 to 40°C
<b>OPERATING TEMPERATURE</b>	: -20°C to +60°C
<b>CLEANING EQUIPMENT</b>	: D701 WSBC
<b>SHELF LIFE</b>	: 12 months
<b>PACK SIZE</b>	: 500ml & 1 litre

### FEATURES

- 1 to 1 mix
- Easy to mix and apply
- Quick setting for fast repair work
- Can be applied to vertical surfaces
- Gap filling adhesive
- Excellent waterproof properties

### CHEMICAL RESISTANCE

Resists most dilute acids and alkalis, aliphatic solvents, seawater, and petroleum products.

### SURFACE PREPARATION

All surfaces must be clean and sound and free of dust, oil and dirt. Smooth surfaces should be abraded to create a mechanical key. Teak and other oil containing wood to be thoroughly treated with MEK or Acetone to provide an oil free surface for bonding.

### APPLICATION

Mix the epoxy and activator in the proportions given on a clean wooden board. Mix thoroughly using a flat putty knife or trowel. Apply to both surfaces and bring together. Smooth and wipe excess with a damp cloth. Keep bonded material under pressure with clamps or applied weight until set.

### TOXICITY

Although D212 is relatively non-toxic, it is recommended that the normal precautions in dealing with conventional epoxy systems are adhered to. Refer to the relevant 16-point Safety Data Sheet.

### HOW TO SPECIFY

Bond suitably prepared surfaces together using D212 Quickset Epoxy Adhesive according to 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.*