

# DURAL 121

## MULTI-PURPOSE EPOXY ADHESIVE



EUCLID CHEMICAL

### PACKAGING

DURAL 121 is packaged in 500ml kits

### APPROXIMATE YIELD

1m<sup>2</sup>/litre at 1mm thick

### CLEAN-UP

Clean equipment immediately after use with water or Pro-Struct 105 Brush Cleaner and rinse off in clean water.

### SHELF LIFE

12 Months, if stored between 15°C to 30°C

### DESCRIPTION

DURAL 121 is a paste consistency adhesive. May be mixed with a suitable filler such as silica sand, Stonhard 622, to give a thicker “putty” consistency. Indispensable repair material.

### PRODUCT CHARACTERISTICS

#### FEATURES / BENEFITS

- Equal volume mix
- Toughened glue line
- High peel strength
- Fibre reinforced
- Resists most common aggressive chemicals, aliphatic solvents and petroleum products

#### PRIMARY APPLICATIONS

- Glueing steel, wood, fiberglass, cement, glass ceramic products, mosaic and quarry tiles
- Grouting steel bars and bolts into concrete
- Repairing concrete spalls

### TECHNICAL INFORMATION

The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions.

TYPICAL PROPERTIES	AT 25°C
Tensile Strength	11 MPa
Peel Strength	1.5 to 1.8 MPa
Concrete Bond Strength	Breaks concrete
Finish	Slight gloss
Colour	Amber / Opaque
Consistency	Creamy paste
Volume Solids	100%
Number of Components	2
Mixing Ratio	1:1
Pot Life	30 to 40 Minutes
Apply Over	Clean, dry, prepared surfaces
Apply By	Trowel or putty knife
Curing Time	4 to 6 hours initial set 18 to 24 hours practical 7 Days full cure
Service Temperature	-20°C to 65°C
Application Temperature Range	15°C to 35°C

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## DIRECTIONS FOR USE

**Specification:** All surfaces to be bonded with Dural 121 Multi-purpose Epoxy Adhesive to manufacturer's detailed instructions.

**Instructions:** Prior to application, the surfaces must be clean, dry and sound and surfaces should be prepared in accordance with Method 1 of 3 of "Surface Preparation Specification". For best results, the contents of both tubs should be placed on a clean flat board, and thoroughly mixed together for approximately 4 to 5 minutes using a trowel or putty knife. Start applying the mixed Pro-Struct Epoxy immediately and continue working until all the mixed material has been used. Smooth exposed glue line with water. If mixed material is left in the container, it will become unusable within 30 to 40 minutes, depending on the temperature.

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## PRECAUTIONS / LIMITATIONS

- Under no circumstances should Pro-Struct 105 Brush Cleaner be mixed with any Pro-Struct Epoxy Compound as this will inhibit the curing of the material. To avoid confusion, Pro-Struct 105 Brush Cleaner is coloured **blue**.
- Remove spots of Epoxy on hands with cotton waste dipped in water.
- Always wash well with soap and water after using this material.
- Freshly mixed adhesive can be removed with water.