

# DURAL 30/35NS

## FAST SETTING STRUCTURAL ADHESIVE



EUCLID CHEMICAL

**PACKAGING**

DURAL 30/35NS is packaged in ½ litre and 2 litre kits.

**APPROXIMATE YIELD**

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

**CLEAN-UP**

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

**SHELF LIFE**

24 Months if stored between 15°C to 30°C.

**DESCRIPTION**

DURAL 30/35NS is a 2-component solvent-free, fast setting epoxy paste adhesive designed to tolerate damp and low temperature conditions, curing to extremely high strengths.

**PRODUCT CHARACTERISTICS****FEATURES / BENEFITS**

- Equal volume mix
- Low temperature curing
- Excellent surface wetting
- Non-slump and gap filling properties
- Moisture insensitive

**PRIMARY APPLICATIONS**

- Bonding high alumina wear resistant tiles to steel
- Anchor grouting of bolts, starter bars, dowels and fasteners under adverse climatic conditions
- Structural adhesive for glass fibre reinforced or steel plate bonding to strengthen concrete or brick elements to increase load bearing capacity
- Fast setting concrete floor repair material for skimming over cracks and cavities prior to coating

**TECHNICAL INFORMATION**

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

TYPICAL PROPERTIES	AT 25°C
Colour	Dark Grey
Consistency	Paste
Volume Solids	100%
Number of Components	2
Mix Ratio By Volume (Base:Activator)	1:1
Pot Life	15 to 30 Minutes
Apply Over	Prepared metal and concrete surfaces
Apply By	Notched trowel or Putty knife
Initial Set	1 Hour at 25°C 9 Hours at 4°C
Service	4 Hours
Full Cure	4 Days
Application Temperature Range	4°C to 35°C
Maximum Service Temperature	70°C
Compressive Strength	>50 MPa at 24 hours >90 MPa at 4 days
Concrete Bond Strength	Breaks concrete

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## DIRECTIONS FOR USE

### Surface Preparation:

Surfaces must be clean, sound, dry or damp, but free of standing water. Exposed concrete surfaces must be sandblasted or chipped to show the well-bonded main aggregate. Steel should be grit blasted clean, free of rust, paint or foreign matter likely to affect the bond or performance of the repair.

**Mixing:** Pre-condition material to between 10°C to 25°C before using. Premix each component of the kit. Empty each component of the kit on a clean flat board and thoroughly mix together for 4 to 5 minutes, using a gauging trowel or putty knife until a uniform colour is achieved. If smaller quantities are required for the repair, accurately measure out equal volumes of Base and Activator, i.e. 1:1.

**Application:** Using a notch trowel or putty knife, apply the mixed material to the surfaces, ensuring full contact will be made when items are brought together. Remove squeezed out excess adhesive and smooth exposed glue line with water and a cleaned application tool or sponge.

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## PRECAUTIONS / LIMITATIONS

- Application temperature of substrate to be 4°C and rising. Low temperatures adversely affect application spread rates and time to achieve bond.
- Hot temperatures decrease working time.
- Do not apply over wet surfaces.
- Do not thin with solvent.
- Use materials in strict accordance with the manufacturer's Safety Data Sheet.
- Protective clothing and equipment will significantly reduce risk of injury.
- Body coverage apparel, safety goggles and impermeable gloves are recommended.
- In case of contact, flush with copious amounts of water and seek medical attention.
- Dispose of waste materials and containers in strict accordance with Government regulations.