High Strength
Traffic Loop (Cable) Sealant
EPAR TLS

TECHNICAL DATA

1.0 DESCRIPTION

A filled, very fast curing, high strength, solventless liquid epoxy. EPAR TLS is used to restore the physical integrity of cable loop saw cuts made in structural substrates such as concrete tunnels and roadways.

2.0 PROPERTIES

2.2.	Viscosity	Medium.
2.3.	Mix Ratio	1 part hardener to 8 parts resin by weight, packed in pre-measured kits (4.5kg = 3.58 litres)
2.4.	Pot Life	30 minutes at 20°C for 150g.
2.5.	Initial Set	Hard, tack-free after 60 minutes at 15°C.
2.6.	Final Cure	3 – 5 days
2.7.	Minimum Application Temp.	5°C substrate temperature.
2.8.	Shelf Life	1 year in original unopened containers

3.0 USES

EPAR TLS is ideal for sealing saw-cut openings used to hold the sensitised wiring loops that control smart-studs. It is specifically formulated for curing in adverse conditions, while maintaining the structural strength of the substrate.

EPAR TLS may be used in conjunction with closed cell backer rod to maintain proper joint depth.

4.0 APPLICATION

4.1. **SURFACE PREPARATION**. Wash the saw cut with high-pressure water. Remove residual water from the opening with clean oil-free compressed air.

4.2. Insert backer rod (if required) and cable.

4.3. **MIXING**. EPAR TLS is supplied in packs containing the correct proportion of resin and hardener. To eliminate on site proportioning errors, it is advisable that complete packs are mixed, ensuring all contents of both resin and hardener containers are incorporated. If part packs are to be mixed it is necessary to devise a suitable system to ensure the correct volume of each component is used. Estimating quantity by eye is not sufficient. Suitable systems include pouring components into a calibrated container or measuring out the required number of volumes of resin and hardener using a standard size container.

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EPAR TLS

TECHNICAL DATA Continued

4.0 APPLICATION (continued)

Recommended mixing procedure

(1) Cut a slot (X) in the resin lid of about 60mm x 60mm. Remove hardener lid (part A) and fit the hardener bottle through the slot in the resin lid (removed resin lid and reattach).

(2) Allow hardener to fully drain into the resin. Proper curing cannot be assured if hardener is not fully drained. Hardener and resin will not react until both components are mixed thoroughly and therefore EPAR TLS may be prepared in this manner before the product is required for use.

(3) Remove resin lid and thoroughly mix the hardener and resin using a heavy-duty electric drill fitted with a grout mixer. During the mixing process scrape the bottom and sides of the container at least once with a spatula or similar tool to ensure all components are incorporated.

(4) Mixing should continue for approximately 3 - 5 minutes. Take care to avoid air entrapment. Use immediately once mixed.

4.4. As EPAR TLS is very fast curing, use entire kit within its pot-life. Do not mix EPAR TLS until required. EPAR TLS is pre-measured to exact quantities. Mix all materials in container; do not mix partial units or dilute.

4.5. **METHOD OF APPLICATION**. Pour EPAR TLS into application equipment immediately after mixing or pour into slot directly from resin pail. Begin pouring EPAR TLS immediately. EPAR TLS will flow and slowly encapsulate the cabling. Repeat until joint is filled flush with surface.

4.6. CLEAN UP. Hands and equipment should be washed with soap and water before curing is advanced.

4.7. Refer to product label and material safety data sheet for handling, health and safety precautions. EPA NZ approved handler certification is required to use EPAR 124.

5.0 PACKAGING

4.5Kg pre-packaged unit and 9Kg pre-packaged unit.