



Triton TRI-SET

A TWO PART POLYESTER RESIN SYSTEM

Description

Triton TRI-SET is a high strength, fast curing, thixotropic grout/adhesive supplied in a plastic cartridge containing a base resin consisting of polyester resins, a catalyst consisting of an organic peroxide and inert fillers in a paste form.

Uses

- As a bonding agent
- Where a waterproof bond is required
- Where a chemically resistant bond is required.
- Where a vibration-proof bond is required
- When bonding near to an edge
- Where a stress free bond is required

Applications

Anchoring of machinery. Permanent installation of reinforcement, dowelling and starter bars, foundation bolts, hand rails, safety fences, wall ties, rail tracks, tie-back anchors, etc.

Advantages

- Excellent adhesion
- Rapid Strength gain
- High Strength
- Corrosion resistant
- Resistant to thermal recycling
- Low temperature cure
- May be used in overhead applications
- Pre-packed ready for use

Gel & Cure Times

TEMPERATURE	GEL TIME	MINIMUM CURE BEFORE LOADING
Deg.C	Minutes	Hours
5	15	3
10	10	2
20	7	1.5
30	5	1

Typical tensile and shear strengths to B.S.5080 in 25 Kn concrete.

FIXING DIAMETER	TENSILE (Kn)	SHEAR (Kn)
M8	19.0	13.5
M10	21.7	16.5
M12	41.0	29.5
M16	75.0	49.0
M20	105.0	72.0

Instructions for Use

Preparation

Holes should be formed a minimum of 2mm greater than the bolt to be inserted, using rotary percussive drilling techniques. If it has been necessary to diamond drill the holes, then they should be roughened or under reamed.

Pre-cast holes should have their sides roughened prior to filling.

All dust, drilling debris and other contaminants should be removed, bars and bolts should be de-greased and all rust removed.

Application

Remove the cap and protective insert from the cartridge and screw on the static mixer nozzle. Fit the cartridge into the applicator gun and gradually apply pressure by activating the trigger until material exudes from the end of the nozzle. Stop pressurizing and allow the resin to flow until a uniform colour is achieved. Insert the nozzle into the base of the hole and activate the trigger, removing the nozzle slowly as the hole fills. Once sufficient resin is in the hole, release the pressure, wipe excess resin from the nozzle and place the stud to be fixed into the hole with a twisting action to ensure all contact between hole side, resin and stud.

Allow the resin to cure fully before loading.

Partly used cartridges are re-useable. Remove the mixing nozzle, wipe away surplus resin and replace the nose plug and cap.

Storage

At least 12 months in manufacturers unopened cartridges in sealed containers if stored between 4 and 20 deg C.

Packaging

380ml and 150ml

Approximate number of fixings per cartridge

Bolt Dia. mm	Hole Dia. mm	Hole Depth mm	380ml	150ml
8	10	80	110	30
10	12	90	60	20
12	14	110	40	12
16	18	125	20	8
20	22	170	9	4
24	28	210	5	2

Health & Safety

For full information consult the relevant Material Safety Data Sheet.

For further information please contact:

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