Top One Products

T1 PU 4000 Water Based

DESCRIPTION

T1 PU 4000 (Water-Based) is a one-part solvent free hydrophilic PU foam injection grout. It has low viscosity, high penetration, quick setting and forms tough & flexible polyurethane rubber after complete chemical reaction. It is used for sealing & filling of dry, damp or water bearing cracks.

SUITABLE FOR

- Fills joints or cracks in concrete structure that exhibit some movement.
- Fill voids such as rock fissures, crushed fault or gravel layers.
- May be used in applications with high pressure water flow.
- Curtain wall grouting below grade structures.
- Replace or repairs failed existing liners.
- Roof slab, retaining wall, sewer, swimming pool, basement, water tank & etc.

FEATURE

- Negative side application possible.
- Low viscosity benefits penetration into hairline cracks.
- 100% solid & solvent free composition helps in shrinkage free grout.
- React with water, foam increases in volume to fill cavities and voids.
- Excellent bond to wet surfaces.
- Underwater injection approved.
- Good adhesive strength.
- Does not create new cracks.

PACKING

18kg/pail

APPLICATION

Begin by drilling 5/8” diameter holes along the side of the crack at a 45-degree angle. Drill the hole to intersect the crack midway through the substrate. Install injection packers in the holes and tighten. Spacing of the injection ports depends on crack width, but normal varies from 6” to 36”. It is always necessary to flush the drilled holes with water to remove debris and drill dust from the holes and crack. This will also ensure that the crack is wet enough to react with the grout when it is introduced to the crack. Begin the injection of the grout at the lowest packer installed on a vertical crack, or at the first packer flushed for a horizontal crack. During the injection, you will notice that the **T1 PU 4000 (Water-Based)** displaces water from the crack. Continue injecting until the grout appears at the adjacent packer hole. Stop pumping and reinstall the packer in the adjacent hole. Tighten the packer and move the pump hose to the second packer and begin injection. Continue the process until 3-4 packers have been grouted. Disconnect and go back to the first packer and inject all the ports for the second time if necessary. Some ports may take additional grout, which will fill up and further density the material in the crack. Continue process until the length of the prepared crack is injected.

YCL COATING SDN BHD
No. 11-G. 11-1, 11-2, Jalan Kasturi 3, Plaza Kasturi, Batu 11, 43200 Cheras, Selangor Darul Ehsan
Tel: 03-9081 9022 Fax: 03-9074 0103 Email: ycl.coating@gmail.com Website: www.yclcoating.com

Top One Products

T1 PU 4000 Water

CLEANING

Clean all tools and application equipment with suitable solvent immediately after use. Hardened/cured material can only be removed mechanically.

SHELF LIFE

12 months when stored properly. Product is highly moisture sensitive. Store in original sealed containers at temperature between 15°C-30°C. Opened containers must be handled properly to prevent moisture contamination.

PRECAUTION

For personal precautions, applicators are recommended to wear gloves, mask and goggles when handling it. In case of a contact, the affected area should be washed with plenty of water and soap, in case of swallowing, a physician should be consulted immediately. No food or beverages should be brought to the application area. The product should be stored and kept out of reach of children.

TECHNICAL SPECIFICATION

Form	Pale Yellow Liquid
Viscosity	≈ 650 cps
Specific Gravity	1.03 ± 0.02
Solubility in water	Hydrophillic
Solid Content	≥ 95
Expansion	1 - 3 times
Chloride content	N.D
Reaction Times – Initial Reaction	30 – 45 seconds
Full Rise	3 – 5 minutes
Full Cure	24 hours

YCL COATING SDN BHD
No. 11-G. 11-1, 11-2, Jalan Kasturi 3, Plaza Kasturi, Batu 11, 43200 Cheras, Selangor Darul Ehsan
Tel: 03-9081 9022 Fax: 03-9074 0103 Email: ycl.coating@gmail.com Website: www.yclcoating.com