

## INJECTO SEAL 124

Tube Sealing Injection Jointing System

### GENERAL DESCRIPTION

AXEL INJECTO SEAL 124 is an acrylamide free acrylate monomer system sealant designed for water control during tunneling operations, for curtain grouting and for soil consolidation in situation where low tensile and compressive strength can be tolerated.

AXEL INJECTO SEAL 124 is a tube sealing joint system designed to seal off joints in concrete cold joints or expansion joints with an expanded penetrable resin.

### RECOMMENDED USES

Used as a seal off joint seal in construction joints and expansion joints as found in:-

- \* Retaining walls
- \* R.C. slab
- \* Culvert joints
- \* Basements
- \* R.C. walls
- \* Movement joints

### CHARACTERISTICS & ADVANTAES

- \* Economical
- \* Easy to grout
- \* Low viscosity
- \* Expandable to seal voids
- \* No dust toxicity hazard
- \* Not flammable or explosive

### COVERAGE

Depending on size of cracks / hollow voids.

### COLOURS

Solution: Yellowish liquid

Cured : White, flexible gel

### PACKING

2 kg/set and 5 kg/set

### STORAGE

Store in a dry, cool and shaded place. Prolonged exposure to U.V, sunlight and elevated temperatures above 30°C, will cause solidification of the product.

### SURFACE PREPARATIONS

Ensure that the concrete base is completely cured for at least 28 days prior to injection. Visible cracks and deficiencies of the concrete surface should be closed with fast curing cement before injecting. Ensure the injection hose is secured to the base.

### METHOD OF APPLICATION

- \* Install **AXEL INJECTO SEAL 124 HOSE** with a 'hook-on' and allow for an inlet and outlet spout.
- \* Test the permeability of the injection hose with water or compressed air.
- \* Start the injection at low pressure to fill the injection tube. When the injection grout starts to pour out of the open end piece at the other end, close the end injection port with a conical packer.
- \* Mix 4 components of **AXEL INJECTO SEAL 124** thoroughly then inject into the hose. The flow of the material can be monitored through a pressure gauge mounted in front of the packer on the pump.
- \* Wait for half the curing time of the injection grout. Inject new injection material within the curing time of the injection grout until the pressure remains constant.
- \* When the pressure remains constant, the joint will no longer accept any injection grout and is sealed.
- \* Removed the packer at the end of the injection tube. Flushing the injection hose with water several times. This flushing procedure is to ensure no material remains in tube and can allows for the future reinjection.

Notes:

- \* **AXEL INJECTO SEAL 124** resin is incompatible with aluminum. Do not use aluminum equipment.
- \* 4 components of **AXEL INJECTO SEAL 124** only come into contact with each other prior to field mixing. An exothermic reaction will forms when the components are mixed together.

### CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened or cured material can only be mechanically removed.

### TECHNICAL SPECIFICATIONS

No. of Components	4 components ( A, A+, B, B+)
Solution Viscosity	1 – 3 cps
Solution Density	Approximately 1.04 mg/ml
pH	6.5-7.5
Gel Time / Harden	30-50 minutes at room temperature
Appearance (cured form)	Flexible & impermeable gel
Chemical Resistance ( cured form)	Resistant against bacteria, fungi, and chemicals found in sewer systems
Characteristics	Dehydrate in dry condition, but will swell in the presence of water. Stable in 100% humidity
Flushing / cleaning	Water
Tube Seal	Reinforced polyester

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## SHELF LIFE

12 months from the date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions.

The above data is provided in good faith and to the best of our knowledge. However, since application and services conditions are beyond our control, we do not accept liability relating to coverage, performance and injury arising from the use of our products based on the data. Further with the constant advancement of technology we reserve the right to modify data without prior notice and we advise that you check with our Axelchem Technical Department at Tel: 603-6276 2118 the validity of these data especially if more than six months have lapsed since issue.