Sealtite 1000

Ridged polyurethane injection resin

DESCRIPTION

Sealtite 1000 is a ridged, MDI based, single-component polyurethane resin. This system reacts rapidly when in contact with water to provide a high strength polyurethane seal capable of shutting down large water leaks.

Sealtite 1000 has a very high reactive content, this greatly enhances performance and minimises the possibility of leachable pollutants.

Sealtite 1000's low viscosity and high soil binding ability makes it ideal for tunnelling and soil stabilisation.

ADVANTAGES

- Highly active formulation
- Low viscosity
- High sand binding ability
- Resistant to many common organic and inorganic chemicals, mild acids and alkalis
- Solvent free
- Injected as a single component
- Variable reaction speed

USES

- High speed sealing of leaking cracks
- Ground stabilisation
- Back grouting
- Tunnelling

APPLICATION

Reaction times must be adjusted on site to suit the conditions by altering the addition level of catalyst and the catalyst type.

Unicat: The standard catalyst for this system. Usage rate 1% to 1.5% for soil stabilisation, maximum addition rate 5%

Isocat: Low odour for confined spaces usage up to 2.5% by weight.

The recommended application method is to use a single-component high-pressure pump to inject the catalysed resin into cracks or soil. For crack injection the pump should be capable of delivering a minimum 1 litre per minute at 200 – 3000psi. Soil injection requires higher volumes and lower pressures and a diaphragm pump is often suitable for this purpose.

Cleaning: Clean all pumps and equipment with either Sealtite cleaner or RB29 cleaner.

SAFETY

- Avoid contact with skin & eyes.
- Wear safety glasses, gloves and overalls.
- Avoid inhaling vapours.
- Read the health & Safety data sheet before use.

STORAGE

- Store at between 10oC and 40oC.
- Keep containers closed when not in use.
- Stir well before use.
- Shelf life 12 months in unopened containers.

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