

GeoRez

Urea Silicate grout



FEATURES

GeoRez is a fire resistant injection system based on urea silicate technology. It is designed to rapidly stabilise strata and coal by giving them structural strength and flexibility. In addition to being fire resistant, due to its unique silicate chemistry, the maximum exotherm reached during curing is well under the maximum allowed.

GeoRez can be used in wet environments where it shows good adhesion to wet surfaces, but will not absorb water.

ADVANTAGES

- Flame resistant and will not support combustion
- Not hazardous once cured and contains no, filtrates or leachates
- High early and final strengths
- Easy to handle store and use

USES

- **Tunnelling** - Sealing faces and walls, grouting tunnel structures, sealing fracture zones etc
- **Coal** - stabilising and strengthening strata.
- **Containment** - curtain grouting around oil and chemical storage facilities or polluted sites
- **Water storage** - curtain grouting under dam walls, sealing fractures in foundations, preventing seepage and losses

SPECIFICATION DATA(mixed at 25°C)

Set times:	Initial: approximately 150 seconds Final: approximately 480 seconds
Compressive:	1 day: 22MPa 4 days: 40MPa
Viscosity:	300mPa.s
Density:	1.35 g/ml
Packaging:	40,400 and 2000L packs
Storage:	Store in a dry shaded area between 5°C and 35°C
Shelf life:	12 months in unopened containers

DIRECTIONS FOR USE

GeoRez is a two component system, with both components mixed in equal volume proportions (1:1 by volume) using a two-component injection pump coupled with a static in-line mixer head.

Cleaning

For short breaks, pump only **Strata Bond** Part A through mixer.

For long breaks (e.g. storage, or after job done) pump clean water through Part A pump / injection lines; and pump clean Sealrite cleaner followed by engine oil through Part B pump / injection lines

Safety

Please refer to the Material Safety Data Sheet for full details.

Although **GeoRez** contains isocyanates, the cured product is harmless. Nevertheless, it is recommended that only experienced operators use this material.

Wear appropriate PPE and avoid contact with skin and eyes.

Mop up any spills with absorbent materials such as zeolite or sand, and dispose of in accordance with local regulations. Try to prevent unreacted product from entering drains.

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