

# GeoRez Boltlock



## FEATURES

**GeoRez Boltlock** is a thixotropic, fire resistant injection resin based on urea silicate technology. Separately, the two components of Boltlock are low viscosity liquids but upon mixing they quickly form a thixotropic non-sag gel suitable for overhead application. Boltlock expands slightly during curing, locking the bolt in place and reducing the need to retighten after installation.

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

### **GeoRez Fissurebond**

Urea Silicate Resin

### **GeoRez Fissurefill**

Urea Silicate Foam

### **GeoRez Hydrabar**

2 component Urethane resin

### **GeoRez Sealtite 2300**

2 component urethane Foam

### **GeoRez Sealtite 1000**

1 component Urethane Foam

## ADVANTAGES

- Flame resistant and will not support combustion.
- Thixotropic
- Controlled expansion locks bolts into place.
- Not hazardous once cured.
- High early and final strengths
- Easy to handle store and use

## USES

- **Tunnelling, coal and hard rock mining-** Bolt embedment, filling hollow and split bolts.

## SPECIFICATION DATA(mixed at 30°C)

<b>Set times:</b>	Gell formation: Instant Working time: 3 minutes Load bearing: 60 minutes 24 hour strength: 40MPa
<b>Shrinkage:</b>	Nil - expansion
<b>Viscosity:</b>	initial mix 280mPa.s
<b>Density:</b>	1.30 g/ml
<b>Packaging:</b>	40,400 and 2000L packs
<b>Storage:</b>	Store in a dry shaded area between 5°C and 35°C
<b>Shelf life:</b>	12 months in unopened containers

## DIRECTIONS FOR USE

**GeoRez Boltlock** 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 **GeoRez Boltlock** part A through the static mixer to remove any traces of part B.

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

## Safety

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

**GeoRez Boltlock** part B contains isocyanates Once cured product is harmless but 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. Prevent unreacted product from entering drains.

CRG

CRG Pty Ltd  
[www.crg.solutions](http://www.crg.solutions)

### Disclaimer

This is not a specification, and all the information is given in good faith. Since conditions of use are beyond the control of the manufacturer, information contained herein is without warranty, implied or otherwise, and final determination of the suitability of any information or material for the use contemplated, the manner of use and whether there is any infringement of patents is the sole responsibility of the user. The manufacturer does not assume any liability in connection with the use of the product relative to coverage, performance or injury. For application in special conditions, consult the manufacturer for detailed recommendations.

