# Xytu® BT142
# Water Repellent for Rock Wool

## Product Description

Xytu® BT142 is a high-solids aqueous emulsion of reactive polydimethylsiloxane for applications such as construction waterproofing and mold release. It can be diluted with water as needed. Use promptly after dilution; do not store the diluted product for extended periods.

## Technical Data

| Property | Value |
|---|---|
| Appearance | Milky white liquid |
| Solids content | 60% |
| pH | Approx. 7 |
| Specific gravity | Approx. 1.0 |
| Diluent | Water |

## Features

- High solids content, water dilutability and good dilution stability.
- Significantly improved miscibility with binders such as phenolic resins. Mixes well with the vast majority of phenolic resin solutions without side reactions or visible precipitation.
- Water-based, non-toxic and free of unusual odors; non-irritating and harmless to humans.

## Applications

Xytu® BT142 can be blended with phenolic resin to improve the water repellency of glass fibers or rock wool bonded with phenolic resin. It can also be used to impart water repellency to materials such as expanded perlite, expanded vermiculite and lightweight ceramic aggregate.

**Directions for Use**

For spray application, Xytu® BT142 can be diluted with water at any ratio. The recommended dosages below are based on the dry weight of the finished product.

| **Material to be treated** | **Recommended dosage** |
|---|---|
| Rock wool | 0.15-0.6% |
| Glass wool | 0.25-0.7% |
| Expanded perlite | 0.35-1.1% |
| Lightweight aggregates such as ceramic aggregate | 0.25-0.5% |

The actual dosage depends on the water repellency required for the treated product. Preliminary trials with different raw materials are recommended to determine a suitable dosage.

**Packaging**

Available in 200 kg drums or intermediate bulk containers (IBCs). Packaging can be customized on request.

**Storage and Shelf Life**

Store Xytu® BT142 in its original packaging at 2-30 °C. The shelf life is 12 months from the date of manufacture. Follow the storage instructions and shelf life information on the packaging.