

Two-Component Polyurethane Grout

## DESCRIPTION



GeoTek HS is based on a polyol component (part A) and a polymeric MDI (part B). When mixed, a hydrophobic polyurethane foam is formed which is tough, rigid and resistant to a wide range of chemicals. Controlled expansion and high early strength allows this material to be used effectively for raising sunken slabs and pavements. GeoTek HS is also used widely for underpinning applications where increased soil bearing characteristics are required.

## KEY BENEFITS

- > Controlled expansion
- > High foam strength
- > Good bond strength
- > Low viscosity
- > Solvent-free, environmentally safe

## TYPICAL APPLICATIONS

- > Slab jacking
- > Foundation stabilisation
- > Void filling
- > Soil consolidation

## TECHNICAL DATA

| GeoTek HS Part A  |   |
|---|---|
| Colour  | Opaque  |
| Density   | 1.05  |
| Mix ratio (A:B by volume)                                     | 1:1   |
| GeoTek HS Part B  |   |
| Colour  | Brown   |
| Density   | 1.23  |
| Mix ratio (A:B by volume)                                     | 1:1   |
| GeoTek HS Mixed at a ratio of 1:1                             |   |
| Colour  | Brown   |
| Density   | 1.1   |
| Final cure  | 1 day   |
| Viscosity @25°C<br>Brookfield DV 11 spindle<br>no. 2 at 60rpm | 240 - 280 mPa-s   |
| Elongation at break   | 3 - 4%  |
| Expansion   | 2x to 3x<br>as delivered up to 16x<br>with additional water |
| Reaction Speed @25°C  | 30 seconds to<br>5 minutes                                  |

Low to high expansion grades are available upon request. Slow, medium and fast set grades available upon request.

All technical data stated herein is based on tests carried out under laboratory conditions.

Whilst any information and/or specification contained herein is to the best of our knowledge, true and accurate, we always recommend that a trial be carried out to confirm suitability of the product. Please note regional climatic conditions may cause a variation in the performance of the product. No warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives, agents or distributors. The information in this data sheet is effective from the date shown and supersedes all previous data. Please check with your local Normet office to confirm that this is current issue.

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### APPLICATION GUIDELINES

GeoTek HS is a dual component material mixed at a ratio of 1:1 by volume. Mix the individual components Part A and Part B separately using a slow speed drill and paddle mixer for approx. 30 seconds.

It is best mixed in a suitable mixing head from a twin piston pump. When the material has cured it forms a rigid polyurethane foam.

The reaction time and foaming will vary depending on temperature and grade of material. Please contact your local Normet representative should you require any further information regarding suitability or application of this product.

Note: It is recommended that the material be conditioned to appropriate temperatures for at least 12 hours prior to application.

Careful consideration should be given to applications below 10°C on a falling thermometer to avoid possible crystallisation.

### STORAGE

GeoTek HS should be stored at room temperature (min 10°C and max 38°C), kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of one year can be expected.

### HEALTH & SAFETY

GeoTek HS should only be used as directed. We always recommend that the Safety Data Sheet (SDS) is carefully read prior to application of the material. Our recommendations for protective equipment should be strictly adhered to for your personal protection. The Safety Data Sheet is available upon request from your local Normet representative.