

GeoPro[®] SF-25

Two-component, Urea Silicate
Foam

M&T
Global Ltd

Description

GeoPro SF-25 is a two component, solvent free urea silicate resin. Once mixed, GeoPro SF-25 forms a highly expansive foam, designed for rapid void filling of cavities and strata consolidation.

Application

- ▶ Rock void filling
- ▶ Rock mass & gravel consolidation
- ▶ Cavities in tunnels
- ▶ Coal Mine rock consolidation

Advantages

- ▶ Fast reacting
- ▶ High volumetric change
- ▶ Flame retardant and self extinguishing
- ▶ User friendly
- ▶ Environmentally friendly

Application information

GeoPro SF-25 is injected in the proportion of 1:1 by volume. The reaction and curing time is dependant on the temperature of the resin and the environment it is injected in to. Foam Factor is also dependant on the water content in component A.

To achieve optimum foam and cured product, the components should be mixed at the point of injection using an in-line static mixer in the injection nozzle. Mixer should be no less than 500mm in length.

Storage

GeoPro SF-25 should be stored out of sunlight in a dry environment above 5°C and below 25°C. If these conditions are maintained, unopened material will have an expected shelf life of six months from the manufacturing date.

Health & Safety

Read the Safety Data Sheet before use. Only use GeoPro SF-25 as intended. Avoid contact with eyes and skin, do not ingest. Always use the necessary adequate PPE. Safety Data Sheets available on request.

GeoPro SF-25 Component A

Density	1.30 - 1.50g/cm ³
Viscosity	20-80mPa*S
Colour	Colourless
Flash Point	>200°C

GeoPro SF-25 Component B

Density	1.15 - 1.30g/cm ³
Viscosity	150-400mPa*S
Colour	Dark Brown
Flash Point	>200°C

Reaction Information

Start of Reaction (s)	10-30
Tack Free (s)	50
Foam Factor (X)	20-25

All tests carried out at 25°C. A:B = 1:1
(by volume)

Legal Disclaimer

The information in this data sheet for the polyurethane ground injection resin (GeoPro SF-25) is provided in good faith but without warranty. It is for general guidance only and not a guarantee or specification. Users must test and confirm the Product suitability for their application and follow the Safety Data Sheet(SDS) before use. M&T Global Ltd and its Partners are not liable for any direct or indirect losses, damages, or injuries arising from the use, handling, storage, or disposal of the Product. Suggested use do not imply freedom from patent rights. Contact patent holders for permission as needed.