

GeoPro[®] AC-5

Ultra Low Viscosity Acrylic
Injection Resin

M&T
Global Ltd

Description

GeoPro AC-5 is a non-toxic aqueous solution of multifunctional acrylic monomers. GeoPro AC-5 gels in a few seconds to many minutes when an activator/initiator is added just before use. The final product is a resilient waterproof gel. In wet, or dry conditions, the volume of the gel increases, or decreases, in a reversible and waterproofing manner.

Application

- ▶ Permeation grouting
- ▶ Stabilizing loose soils
- ▶ Water cut off and curtain grouting
- ▶ Erosion control

Advantages

- ▶ Ultra low viscosity
- ▶ Controllable reaction times
- ▶ Water based
- ▶ No acrylamide
- ▶ Can be diluted for improved soil penetration

Handling

Products have to be injected by a bi-component pump. (Ratio 1:1). Blends are the following: Part A: GeoPro AC-5 Resin + GeoPro AC-5 TEA (from 0.5% to 4%). Part B: GeoPro AC-5 NPS diluted in water (between 2% and 4%).

Storage

GeoPro AC-5 and associated components 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 one year from the manufacturing date.

Health & Safety

Read the Safety Data Sheet before use. Only use GeoPro AC-5 as intended. Avoid contact with eyes and skin, do not ingest. Always use the necessary adequate PPE. Safety Data Sheets available on request .

GeoPro AC-5 Resin

Density	1.15-1.25g/cm ³
Viscosity	20-30mPa*S
Flash Point	>150°C
Colour	Orange

GeoPro AC-5 TEA

Density	1.05-1.11g/cm ³
Viscosity	300mPa*S
Flash Point	>150°C
Colour	Colourless/slightly yellow

GeoPro AC-5 -NPS

Active Content	>99%
Colour	White Powder

Packaging

GeoPro AC-5 Resin - 20lt, 200lt, IBC containers
GeoPro AC-5 TEA - 20lt container.
GeoPro AC-5 NPS - 25kg bags.

Components

Thre GeoPro AC-5 involves the use of three components:

GeoPro AC-5 Resin.

GeoPro AC-5 TEA, a liquid activator for standard setting times between 10s and 30min.

GeoPro AC-5 NPS, a powder initiator to be dissolved in water.

Legal Disclaimer

The information in this data sheet for the acrylic ground injection resin (GeoPro AC-5) 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 the 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.