

AVINJECT 2CURESIL FLEX

Highly reactive, two component fire resistant urea-silicate injection resin for ground stabilization.

Application

AVINJECT 2C Uresil Flex is a two component, silica modified PUR flexible injection resin solvent-free, specifically designed for rapid stabilization of coal, concrete and ground.

- ❖ Distortion performance due to its flexibility through mountain movements.
- ❖ Stabilizing coal and strata.
- ❖ Consolidation of fractured rock, sands, gravels and coal faces.
- ❖ Repair of underwater constructions.
- ❖ Repair of concrete cracks

Characteristics

Uresil Flex neither expands its volume with water nor absorbs water.

- ❖ Penetrates cracks wider than 0,25 mm.
- ❖ Shows good adhesion to wet substrates.
- ❖ Fast reaction also underwater.
- ❖ Very fast reacting material applied where structural strength and flexibility is required.
- ❖ Fire resistant.
- ❖ Low odour.
- ❖ Environment friendly.
- ❖ User friendly

Packing

- ❖ A component 30 kg
- ❖ B component 24.5 kg

Storage

If stored in dry conditions in unopened, tightly closed original containers and within a temperature range of +5°C and +35°C, the components of Avinject 2C Uresil Flex have a shelf life of 12 months. The manufacturer shall authorize short-term storage in temperatures at 0 - 60°C.

How to use it

Components A and B are delivered ready-to-use. They are injected in the proportion of 1:1 by volume using a two-component injection pump equipped with a static in-line mixer. The curing reaction time is significantly dependent on the temperature of the PU resin, the rock, and the ground water. Foam factor is significantly dependent on water content in component A. Density range also depends on water content in component A and isocyanate reactive groups in component B. Please store both components prior to application in at least 15 °C. To achieve the best mixing of the components during injection, the inclusion of a static in-line mixer in connection with the mixing head is essential. The length of the static mixer should be min. 50 cm long for correct mixing.

AVINJECT 2CURESIL FLEX

Safety & precautions

- ❖ Do not breathe dust/fume/gas/mist/vapor/spray
- ❖ In case of improper ventilation wear respiratory protection
- ❖ Wear protective gloves/clothing and eye & face protection
- ❖ **If in eyes:** Rinse cautiously with water for several minutes, Remove contact lenses, if present & easy to do. Continue rinse.
- ❖ **If on skin or Hair:** - Take off immediately all contaminated clothing. Rinse skin with water & shower

Technical Data

2c Uresil Foam	Component-A	Component-B
Colour	Clear, Colourless	Dark Brown
Density at (25 ⁰ C)	1.35-1.5 g/cm ³	1.15-1.30 g/cm ³
Flash point	> 200°C	> 200°C
Viscosity at (25 ⁰ C)	120 - 350 mPa.s	50 - 300 mPa.s