

AVINJECT 2CURESIL FOAM

Highly reactive, two component urea-silicate foam for filling cavities.

Application

Avinject 2C Uresil Foam is a two component, solvent-free urea-silicate foam specifically designed for rapid cavity fillings, concrete and strata consolidation.

- ❖ Filling cavities in concrete and strata.
- ❖ Consolidation of fractured rock, sands gravel sand.
- ❖ Stabilization of cavities in tunnels.

Characteristics

Avinject 2c Uresil Foam neither expands its volume with water nor absorbs water after mixing components.

- ❖ Shows good adhesion to wet substrates
- ❖ Very fast reacting material applied where foaming speed, flexibility and flame retardant properties are required
- ❖ Suitable for spray-on applications.
- ❖ Good chemical stability.
- ❖ Low odour.
- ❖ User friendly.
- ❖ Environment friendly.

Packing

- ❖ A component 28 kg
- ❖ B component 26 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 Foam 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.

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Technical Data

2c Uresil Foam	Component-A	Component-B
Colour	Clear, Colourless	Dark Brown
Density at (25°C)	1.35-1.5 g/cm ³	1.15-1.30 g/cm ³
Flash point	> 200°C	> 200°C
Viscosity at (25°C)	20 - 80 mPa.s	150 - 400 mPa.s

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