

## Technical Data Sheet

### pur II

Injection resin

SC-TD-AwaTec pur II E-Rev 00

Issue: 07/2018

#### Product description

SC-AwaTec pur I is an instant-setting 2-component injection resin, free of CFCs and halogens, for sealing and solidifying water-bearing zones, in particular against pressurized water.

#### Areas of application

- Sealing of tanks, sections and manholes
- Wastewater and purification plants
- Portable water protection zones

#### Material data

|                   |                   | Component A | Component B |
|-------------------|-------------------|-------------|-------------|
| Density at 20°C   | kg/m <sup>3</sup> | 1,05 ± 0,05 | 1,23 ± 0,02 |
| Viscosity at 25°C | mPa*s             | 200 ± 100   | 200 ± 100   |
| Colour            |                   | acromatic   | brown       |

#### Reaction data

| Reaction profile at: |      | 15°C   | 20°C   | 25°C   |
|----------------------|------|--------|--------|--------|
| Curing time          | [s]  | 30 ± 5 | 20 ± 5 | 16 ± 3 |
| Foam factor          |      | 1      | 1      | 1      |
| Reaction temperature | [°C] | < 140  | < 140  | < 140  |

|                          |       |            |
|--------------------------|-------|------------|
| Compressive strength     | [MPa] | 88 ± 5 %   |
| Bending tensile strength | [MPa] | 80 ± 5 %   |
| E-modulus                | [MPa] | 1734 ± 5 % |

| Bond strength (3mm gap) | 30 min | 1h  | 3h  | 5h  | 1d  | 2d  | 7d  |
|-------------------------|--------|-----|-----|-----|-----|-----|-----|
| [MPa]                   | 4,4    | 4,6 | 4,2 | 4,6 | 4,6 | 4,6 | 4,0 |

#### Composition / properties

- Component A is a mixture of different polyols and additives
- Component B is a polyisocyanate based on 4.4'-Diphenylmethandiisocyanat (MDI)
- Together, it reacts to a tough polyurethane resin

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#### Preparation / processing

- Both components are processed in the volume ratio 1:1 via a two-component pump or a two-component cartridge device
- The components are mixed intimately by a static mixer
- If necessary, it is injected via a packer

#### Storage

- In the original box, the shelf life is at least 12 months from the date of production (between 10°C and 30°C)

#### Remarks:

The data in this data sheet correspond to our knowledge and experience at the present time. These do not constitute legally binding properties. The product must be tested for suitability before use. Since the processing is beyond our control, it lies exclusively with the user.

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