

## Easy PUR plus 2K Winter

### Technical Data Sheet

#### Non-foaming, elasticised two-component resin

#### 1. Purpose

Easy PUR plus 2K Winter is a non-foaming, elasticised two-component resin with good adhesion even on moist surfaces for reconstruction and sealing of conduit-type sewers and sewers lines in short liner procedure in sewer repair.

#### Easy PUR plus 2K Winter

- impregnates well fibre glass mats or polyester fleeces
- adheres to moist surfaces
- does not foam, even not by water influx
- cures well even in thin layers
- shuttering can be easily demoulded

Easy PUR plus 2K Winter is delivered in two components.

The system is also available as a three-component resin under the name Easy PUR plus with variable proportion of the component C to control the setting time.

- Advantages:
- fast application: cycle time approx. 60 minutes
  - no odour nuisance
  - low cost repair method

#### 2. Components characteristics\*\*

Easy PUR plus 2K Winter		Component A	Component B
Density at 23°C	g/cm <sup>3</sup>	approx. 1.48	approx. 1.13
Viscosity at 23°C	mPa*s	approx. 300	approx. 170
Colour		honey coloured	black brown
pH value		approx. 12	n.a.
Flash point	°C	-	> 200

#### 3. Reaction data\*\*

Mixing ratio (A) : (B) p. b. volume	100 : 200				
Initial temperature [°C]	5	10	15	20	25
Pot life (spreading) [minutes]*	23	17	16	15	12
Setting time [minutes]*	31	28	27	25	22
Demould time [minutes]*	180	90	60	60	50

\*The indicated times are laboratory values with a scattering of ± 15 %.

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Issue date: 01.12.2013

Revision date: 18.02.2016

Version: 6

#### 4. Composition and properties

**Components:**

Easy PUR plus 2K Winter component A is a special aqueous sodium silicate with additives. Component B is a modified polyisocyanate, that gives the finished product its flexibility characteristics.

**System:**

During the reaction the A component cured to a silicate, simultaneously a solid polyisocyanate/polyurea is formed from the component B.

**Endproduct:**

Together they form an penetrating network, a tough-elastic, non-foamed silicate resin (organomineral resin).

#### 5. Processing

**Mixture:**

**Bottle:**

The component A has to be poured completely into the bottle with component B. After closing the bottle both components are thoroughly mixed by shaking the bottle until a homogeneous product free of streaks is formed.

**Canister:**

The component A will be mixed with the double volume of component B. Then the combined components are mixed thoroughly for at least two minutes.

#### 6. Storage

At least six month after delivery respectively twelve month after production when stored in a dry place between 10 °C and 30 °C.

Frost can damage the A-component. When this time is exceeded, we recommend having the material checked by I.S.T. Innovative Sewer Technologies GmbH for compliance with specification.

#### 7. Delivery form

	Component A	Component B
Bottle	content to 250 ml or 335 ml	content to 500 ml or 665 ml
Canister	10 l à 14 kg	20 l à 21 kg
Drum	200 l à 280 kg	200 l à 210 kg

Other delivery forms on request.

\*\* The indicated data are laboratory values.

The information of this data sheet corresponds to our knowledge and experiences at the present time. The information does not constitute legally binding assurance of properties. Before you use the product, check this on its suitability. Since the processing are beyond our control, it is subject solely to user.

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