

PRODUCT DESCRIPTION: Fibseal Pur UF system is a high strength, lower reactivity and low viscosity two-component 100% polyurea spray system. Polyurea-based systems are characterized by their fast cure and high-performance properties, and are therefore used in various coating and non-coating applications (waterproofing, protective, sealing). It can be applied to a thickness of 1–5 mm single application.

AREAS OF APPLICATION

- Waterproofing of Roofs
- Waterproofing of Balconies, Terraces and Verandas
- Waterproofing of Wet Areas (undertile) in Bathrooms, Kitchens, Balconies, Auxiliary Rooms, etc
- Waterproofing of Pedestrian decks
- Waterproofing of Green Roofs, Flowerbeds, Planter Boxes
- Waterproofing of old Bitumen felts, Asphalt felts, EPDM and PVC membranes and old Acrylic
- Coatings.
- Protection of Polyurethane Foam Insulation
- Waterproofing and protection of Concrete constructions like Bridge- Decks, Tunnels, Stadium Stands, Car Parks, etc.

ADVANTAGE

- High strength
- Low viscosity system sprayable at reduced pressures and chemical temperatures
- Fast cure, treated surfaces can return to service fast, or can be fast further processed
- Relative moisture and temperature insensitivity
- Good adhesion to a variety of substrates
- 100% solid, low VOC, low emissions
- Excellent physical and mechanical properties
- Good film-forming characteristics

APPLICATION METHODOLOGY

SURFACE PREPARATION

Cement bound surfaces must be dry, firm, offer good traction, free from loose particles, dust and dirt and additionally free of oil, grease and other impurities which can adversely affect uniform adhesion. If considered necessary, the surface should be sand blasted, flame scaled, milled or ground. Iron and steel must be free of rust and scale and should be free from oil, dust and grease and other dirt particles. The best method of preparation is to flame scale or sandblast.

MIXING

Mixing is carried out in a specially designed drum mixer or in a bucket with the help of drill mixer fitted with paddle. Mix Fibseal Pur UF component A & B thoroughly with the help of mixer/drill mixer till a homogeneous mix is obtained.

APPLYING AND LAYING

The mixed material should be applied to the prepared surface using spray. Ensure mix material is spread evenly. The work area should be protected during the installation process and during the initial curing time to ensure that no airborne debris can contaminate the surface of the wet resin as this will lead to unwanted blemishes in the hardened, cured surface.

CLEAN UP

- Clean all tools immediately after use with Fibrex Paint Remover. Do not allow material to harden.

TECHNICAL SPECIFICATIONS

| | |
|---|--|
| Mixing ratio of Comp, A & B | 1:1 (volume) |
| Coverage | 1.1kg/m ² for 1 mm thick film |
| Recommended thickness (mm) | 3 - 5 |
| Gel time (Sec) | 6 |
| Tack free Time (Sec) | 8 |
| Overcoat Cycle (hrs) | 0-12 |
| Temperature range of application (degree C) | -10 to +60 |
| Maximum level of Humidity | 98 (below dew point) |

FIBSEAL PUR UF

Pure Polyurea Waterproofing and protection membrane

Product # 114.37
Version no: 16.11.23

data
Tech

| General Properties | Standards | Unit | Properties Offered |
|---------------------------------|--------------------------------------|--|--------------------------------|
| Solids by volume | 100% | % | 100 |
| Viscosity [mPa*s] @ 25°C | | mPa.s | Comp. A: 400 Comp. B: 460 |
| Density (25 °C) | | g/cm ³ | Comp. A: 1.12 Comp. B: 1.05 |
| Tensile Strength | DIN 53504 | Mpa | 26.2 |
| Tear Strength | DIN 53515 | N/mm | 73.6 |
| Elongation | DIN 53504 | % | 400 |
| Hardness | DIN 53505 | Shore- D | 45-46 |
| Abrasion (1kg, H22 wheels) | ASTM D4060 | % | <0.01 |
| Service temperature | -30deg C +/- 135deg C | °C | -30deg C to +80deg C |
| Capillary water absorption | ISO 62:2008€ Method A | % | 0.767 |
| Capillary water absorption | ISO 62:2008€ Method B | % | 1.156 |
| Resistance to Water Pressure | DIN EN ISO 16925 – Test Method A | 0-5 | Degree of damage 0 |
| Resistance to Water Pressure | DIN EN ISO 16925 – Test Method B | 0-5 | Degree of damage 0 |
| VOC-content | DIN EN ISO 11890-1 / ASTM D- 1259 | % | 0 |
| Solids content | DIN EN 827 / ASTM D- 2697 | % | 100 |
| He Permeability | Variable-Pressure permeability | cm ³ · mm/m ² · atm | 0 |
| CO2 Permeability | Variable-Pressure permeability | cm ³ · mm/m ² · atm | 0 |
| Puncture Resistance | ASTM E 154 | N | 867 |

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

PACKAGING

Fibseal Pur UF
A part (Resin) - 211 Kg metal drums
B part (Hardener) - 255 Kg metal drums

STORAGE

Store the material at temperatures between + 20° C and + 25° C in originally sealed packages, the material can be stored for six months. But before opening the drums, be assured that the temperature of the materials has the ambient temperature to avoid condensation. Open containers of material should be used quickly to avoid moisture contamination.

PRECAUTIONS

During mixing and application the following precautions should be observed: ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin. Avoid contact with the hands by wearing protective gloves and busing, if necessary, a suitable barrier cream. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water (do not use solvents). Prolonged contact with the skin should be avoided, especially where the user has an allergic reaction. Always wear gloves and eye/face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

DISPOSAL / SPILLAGE

Spillage of any of the component products should be absorbed onto sand or other inert material and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

HEALTH AND SAFETY

This material is intended to be used by trained professionals with proper equipment's. The following safety measures are recommended:

- Wear protective gloves, clothing, goggles, hearing protection for noise reduction and hard hats for falling debris.
- Do not eat, drink or smoke while in active contact with these materials.
- Avoid skin contact.
- Wash hands thoroughly with soap and cool water.
- Never wash the skin with a solvent.
- Anyone experiencing difficulty breathing when working with these materials or showing an allergic reaction should seek fresh air immediately and consult a physician if symptoms persist.

FIBREX OTHER PRODUCTS – WE DO

