

PRODUCT DESCRIPTION: FIBSEAL PUR W 2K is two-component, moisture-curing, polyurethane elastomeric waterproofing membrane for exterior below-grade or between-slab applications. It protects structure from water penetration. Being an elastomeric coating it permits expansion and contraction of the substrate. It has a wide service temperature range and hence it is suitable for all climates. It resists bacterial attack, and many acids, alkalis, and salts. It forms a seamless membrane and hence eliminates overlapping, seaming, and precutting.

AREAS OF APPLICATION

- Roofing : Flat, low or steep-slope roof.
- Flooring : Walkable floors with waterproofing and hard-wearing requirements, including an approved non-slip finish.
- Structural concrete slabs and concrete walls and foundations.
- Metal and asbestos roofs.
- Swimming pools, artificial lakes and ponds.
- Green roof and walls.
- IRMA roofing system.
- Flat or sloped asbestos roofs.

ADVANTAGE

- Easily repairable
- Early Cure application
- Application Friendly
- Excellent Tensile Properties.
- Excellent adhesion to concrete
- Excellent anti-Root properties
- Walkable after 24 hours of application
- Exhibits good physical properties with high elongation
- Self-leveling membrane
- Highly elastic and wear-resistant,
- Adapts to any surface
- No surface reinforcement is required, only detail works encounters with other building elements
- Bond to any surface, such as cement, concrete, polyurethane foam, butyl, and bituminous sheets of wood, polyurethane plates, metal, etc.
- Due to its resistance, it can be walked on and it will accept a rough finish to make it non-slip.

APPLICATION

SURFACE PREPARATION

- The surface to be waterproofed must be sound, clean, free of dust, oil, paint, curing agents, loose cement or lime plaster & concrete, debris or any separation layers.
- All sharp edges need to be level; honeycombs and loose concrete to be removed and repaired using polymer modified Repair Mortar.
- All cracks, pot holes, deep broom marks and other mechanical damages must be repaired and level as a smooth surface with polymer modified mortar. Cracks to be repaired by cutting "V" groove and filled by Sealants. Allow the repaired surface to dry for at least 24 hours.

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 W 2K A & B component thoroughly with the help of mixer/drill mixer till a homogeneous mix is obtained.

PRIMING

FIBSEAL PUR W 2K generally not required primer but at porous surface use FIBREX primer.

APPLYING AND LAYING

The mixed material should be applied to the prepared surface using roller or brush. Ensure mix material is spread evenly. Do not re-roll later. 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.

CLEAN UP

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

TECHNICAL SPECIFICATIONS

PROPERTIES	VALUES
Physical State A and B	A and B are Liquid
Mixing Ratio (A:B) by weight	14.7:1
Mix Density ISO 1675	1.45±5 g/cm ³
Mix Viscosity ISO 2555	3.000~6.000 cps
Dry extract at 105°C % weight EN1768	84 ±3 g/cm ³
Flash Point ASTM D93	42°C
Ashes at 450°C % weight	42~47%
Mix Solid content ISO 1768	81-87%
VOC	210 ~270 g/l
Working-life of the system (according to the EOTA and BBA)	25 years W3: 25 years and 1,2 mm thickness
Roof slope	S1~S4 (zero slopes)
Fire reaction	Euro class E
External fire performance EN 13501-5	B roof (t1)+ (t4)
Resistance to wind loads	ABLE>50KPa
Anti-roots	YES

FIBSEAL PUR W 2K

2-Component Fast Setting, Polyurethane Liquid Membrane for Waterproofing & Deck Slabs

Product # 114.36
Version no: 16.11.23

Tech Data

CHEMICAL RESISTANCE

Support/environment temperatures range	5°C~35°C
Service temperatures range	-20°C~80°C
Hardness Shore A/D DIN 53.505	>85 / >35
Tear Strength, (longitudinal) trouser, angle, and crescent test pieces ISO 34-1:2011	±24 KN/m
Tensile strength ISO 527-3	4~6 MPa
Elongation at break ISO 527-3	400~600%
Initial dry time	1-5 hours
Recoat time	15~24 hours
Water vapor resistance EN 1931	$\mu=2.500$
Water-vapor permeability EN 1931	14 g/sqm/day
Concrete adherence	>2 MPa
Coverage	2.4kg/m ² /1.5mm

Results performed in the laboratory at 23°C and 50% RH, under controllable conditions. These values may vary depending on the application, coloration, climatology or substrate conditions.

PACKAGING

FIBSEAL PUR W 2K

A part (PU Base) - 25 kgs in Metal tins
B part (PU Hardener) - 1.7 kgs in Metal tins

STORAGE

Store the material at temperatures between + 5° C and + 35° C in originally sealed packages, the material can be stored for twelve 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 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 the product 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.

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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.

DISCLAIMER

Fibrex Construction Chemicals pvt. Ltd. products though are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Fibrex wishes to clarify that any advice, recommendation, specification or information is accurate and correct, though it cannot, at any time assume any liability either directly or indirectly arising from the use of its products. This is because it has no direct or constant control over where or how its products are applied, and whether or not in accordance with the advice specification, recommendation or information given by it.

FIBREX OTHER PRODUCTS – WE DO

