

FIBSEAL PUR PRIMER 1K

One-Component Flexible and Slow Reactivity Polyurea Base Primer

Product # 114.52

Version no: 16.11.23

Technical Data

PRODUCT DESCRIPTION: FIBSEAL PUR PRIMER 1K primer is a one-component flexible and slow reactivity primer, designed to prolong the lifetime of different porous and non-porous substrates including concrete, steel and wood.

AREAS OF APPLICATION

Above grade between two-course concrete and within cavity walls.

Exterior below grade on masonry:

- Concrete
- Incidental metal
- Parking garages
- Plaza decks
- Malls
- Fountains
- Pools
- Balconies
- Planters
- Bridges
- Highways

Below grade

- Slabs walls
- Culverts
- Sea walls
- Dams
- Reservoirs
- Concrete tanks
- Exterior plywood

ADVANTAGE

- Excellent bonding on porous substrate
- Excellent adhesion between substrate and sealant
- 100% solid, low VOC, low emissions
- Easy application and low viscosity, resulting in less product waste and excellent penetration of porous substrates such as concrete
- Good film-forming characteristics for use as membrane coating
- Good flexibility, accommodate expansion and shrinkage changes that can occur following variations of temperature, substrate moisture levels or load

APPLICATION METHODOLOGY

SURFACE PREPARATION

FIBSEAL PUR PRIMER 1K should be applied to surfaces that are clean and free from dirt, grease and dust. Good surface preparation can improve adhesion and, either cleaning the surface to remove contamination, or priming or roughening it to activate the surface, should provide a better surface for chemical or mechanical bonding. Specific preparation techniques may be required depending on the exact substrate i.e. concrete / metal.

applied in an even, uniform manner, making sure recesses and edges are thoroughly coated / primed. Do not apply if relative humidity exceeds 85%. Recommended coverage rate: 0.15 kg/m². More separate layers might be needed depending on the soundness of the substrate.

CLEAN UP

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

TECHNICAL SPECIFICATIONS

Properties	Values	Unit
Type	Polyurea	
Ratio	Single Component	
Coverage	100 to 150 gm/m ² For 50 micron thickness	
Color	Brown	
Chemical nature	Isocyanate	
Density (25 °C)	1.17	g/cm ³
Viscosity (25 °C)	185	mPa.s
Solid content	100	%
Open time (20°C 50% RH)*	30 min	hr min
Curing time (20 °C 50% RH)*	3 hrs 30 min	hr min

*Measured on glass with BK dry time recorder

Recommend ed overcoat window	Steel substrate		Concrete substrate	
	@ 20 °C min	@ 20 °C max	@ 20 °C min	@ 20 °C max
PU top coat	16 hrs	168 hrs	16 hrs	168 hrs
PUA top coat	8 hrs	48 hrs	0.5 hr	48 hrs

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 PRIMER 1K packed in 225 kgs in Metal drums.

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STORAGE

Store the material at temperatures between + 20° C and + 30° C in originally sealed packages, the material can be stored for three 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 using, 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.

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 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 Construction Chemicals 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

