



FEDERAL INDUSTRIAL LININGS

Tel: +27 11 955 2555

10 Federal Industrial Park
138 Main Reef Road
Manufacta, Roodepoort
JHB, South Africa

Reg. No: 2009/183722/23
VAT No: 4100254848

www.federalindustrial.co.za

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TECHNICAL DATA SHEET

FEDSEAL - FX

DESCRIPTION

FedSeal - FX is a single component, water based, co-polymer water proofing sealant. The latex admixture properties increases adhesion, and is ideal for use in cementitious compositions. The product cures into a durable, flexible, UV stable and weather resistant cementitious lining, and is suitable for outdoor & indoor applications. **FedSeal – FX** can also be used on its own as a non-cementitious sealant for over coating old existing waterproofing i.e. old torch-on applications.

PRINCIPLE USES

FedSeal - FX is intended as a waterproofing lining for flat concrete roofs, parapets & balconies as well as bathroom or shower screeds prior to tiling. It can be used as a sealer lining for water storage structures such as concrete dams & water storage units. It is also used to prevent or treat rising damp. It has good UV stability, flexibility, wear & abrasion resistance & minimal surface preparation is needed prior to application as the product is adhesion promoted in its design. **FedSeal – FX** has good resistance to certain chemicals and excellent water resistance.

PERFORMANCE DATA

Description

Results

Appearance	White, Milky Liquid
Viscosity (cP)	± 100 @ 25°C
Specific Gravity (g/ml)	1.00
Touch Dry @ 25°C	30 min
Open Time / Over Coating Time @ 25°C	30 min – 8 hrs
Hard Dry (Hours) @ 25°C	12 hrs
Full Cure @ 25°C	48 hrs
Pack Size	25kg
Volume Solids	47% (+-2)
Theoretical Coverage (m ²)	1m ² p/kg – (2 coats)
Recommended no of coats	2 - 3 (Depends on application environment)
Shelf Life	6 months in unopened containers

ADVANTAGES

- Easily applied by brush, block brush or medium bristle broom
- Good UV resistance
- Good resistance to wear & abrasion
- Flexible latex admixture
- Low odour & Quick drying
- Adhesion promoted

SURFACE PREPARATION

Suitable preparation of the substrate is required before application of **FedSeal - FX**. The substrate should be structurally sound and free of oil, dust and debris, grease, paint, corrosion deposits, laitance or other surface deposits. The substrate should be clean & dry. For optimal results, consult Federal Industrial Linings regarding suitable surface preparation.

MIXING

Mix **FedSeal – FX** inside the container using a mixing paddle at medium speed for 2-3 minutes until contents is homogenous. Ensure to rotate the mixer inside the container and into the corners of the container. Then mix two parts of Portland cement slurred with 1 part of **FedSeal – FX** in a separate container prior to application.

APPLICATION

Two coats consisting of two parts Portland cement mixed with 1 part of **FedSeal - FX** should be thoroughly applied on to the substrate. The second coat may be applied as soon as the first coat is touch dry in approximately 30 to 40 minutes. Ideally, the two coats should be applied at 90° angles across each other, thus ensuring comprehensive coverage of the substrate. It is stressed that the thickness of each coat should not exceed 1.5 mm to avoid mud-cracking.

CLEANING

Clean hands and skin immediately after use with water & industrial hand cleaner.
Clean tools and equipment immediately after use with water.

LIMITATIONS

- Application temperatures between 5°C and 45°C.
- Avoid excessive application.
- Avoid contact with eyes.
- Do not release into sewer or surface water.
- Do not apply over expansion joints

STORAGE AND STABILITY

FedSeal - FX has a shelf life of 6 months when stored in unopened containers in a cool, dry place. Failure to do so will result in a reduction of shelf life.

SAFETY AND HANDLING

FedSeal - FX contains chemicals. Use only with adequate ventilation. Avoid breathing of vapours and prolonged or repeated skin contact. Protective clothing and gloves should be worn when handling this product. If exposed, eyes should be well flushed with water for 15 minutes and medical attention must be sought instantly.

This product is for professional use only. The applicators and operators must be trained, experienced and have the ability and equipment to apply the coatings correctly and according to specification. Applicators and operators must use the appropriate PPE when using this product. The safety procedures applicable to the handling of chemical materials should be read, understood and rigidly adhered to.

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