

X-Pruf 836HE

Single component ultra high elongation waterproofing membrane

60560311

Product Description

X-Pruf 836HE is a single component, VOC-compliant, synthetic polymer liquid applied waterproofing membrane and sealer for concrete and masonry.

Advantages

- Liquid applied
- Elastomeric
- Very high recovery
- Does not allow tracking
- Secure waterproof penetrations
- Can be used in congested areas
- VOC compliant
- Easy to use
- Easy to repair

Uses

Waterproofing of:

- Wet areas
- Planters
- Roofs
- Plaza decks
- Slabs
- Walls
- Foundations

Specification Compliance

BS 8102

Typical Properties

Property	Typical Results
Elongation	>1000%
Water penetration at 50m head	0
Crack bridgability	>1/4" (6mm)

Application Properties

Initial cure	16 hours
Max. recoat time	48hours
Volume solids (at 50C)	70 to 75%

Volatile Organic Content

VOC = 298 g/L

Color

Black.

Theoretical Coverage

1.2 to 1.5 litre per m² per coat.

Multiple coats can be applied for higher thicknesses

Actual coverage will vary with surface profile.

Packaging

20 liter pails and 200 liter drums.

Shelf Life

12 months when stored between 5 and 35C under shade in a dry environment.

Installation Guidelines

X-Pruf 836HE should be applied by experienced waterproofing crews. X-Calibur provides detailed method statements on all its products for use in various applications. These must be referred to prior to starting work. The information below is a summary intended for guidance only.

Surface Preparation

All concrete surfaces to be treated should be at least 7 days old, hard, clean and free from any contamination or surface water. Treat any shrinkage cracks by applying a 1.2mm by 75mm layer of X-Pruf 836HE over the top. Treat any active crack by routing out the crack and filling with X-Pruf 836HE or a suitable sealant. Place debonding tape over the caulked crack and then apply a 1.2mm by 75mm layer of X-Pruf 836HE over the top of the crack.

Priming

Priming is not normally required. However if the surface is very porous or friable, then dilute X-Pruf 836HE with 25% X-Shield Solvent S and apply a very thin absorption coat, taking care not to allow any ponding.

Mixing

Thoroughly mix with a low speed drill and clean mixing blade for a minimum of 2 minutes. Mix slowly to minimize the vortex and to prevent trapping air in the product.

Application

Apply as a single coat, wet film thickness 1.2 to 1.5mm, by brush, squeegee, phenolic core roller or airless spray. Additional coats are not normally required. If the recoat time is exceeded the base coat must be mechanically abraded, cleaned with acetone and allowed to dry before applying additional coats. Once the product has cured, carry out a water flood test to check for leaks.

High Build

When high build (0 to 3mm) is required in horizontal applications. Use 40kg of dry clean 300 microns silica sand and mix with 20L pail of X-Pruf 836HE to produce 40 to 41L of high build material.

Clean Up

Clean up using X-Shield Solvent S. Cured material can only be removed by mechanical means.

Limitations

Do not apply in rain or wet conditions.
Do not leave exposed to direct sunlight for prolonged periods in excess of 28 days.
Do not apply at temperatures below 40F (4C).
Do not apply at temperatures above 150F (66C) or within 5F (3C) of the dew point.
Do not add solvent except for priming.
Protect from damage.
Avoid skin contact.
Do not discard into the water system.

Health and Safety

This product is for industrial use only by trained operatives. It is potentially hazardous if not used correctly. Please refer to the Material Safety Data Sheet (MSDS) prior to the purchase and use of this product. The MSDS can be obtained via our website www.x-calibur.us.

Authorized Technical Specialist

Please note that only X-Calibur Authorized Technical Specialists ('ATs') are permitted to change any of the information in this data sheet or to provide written recommendations concerning the use of this product. Visit www.x-calibur.us for a full list of X-Calibur ATs.

Datasheet Validity

X-Calibur makes modifications to its product datasheets on a continuous basis. Check the datasheet update section on www.x-calibur.us to ensure you have the latest version.

Warranties

X-Calibur supplies products that comply with the properties shown on the current datasheets. In the unlikely event that products supplied are proved not to comply with these properties, then we will replace the non-compliant product or refund the purchase price. X-Calibur does not warrant or guarantee the installation of the products as it does not have control over the installation or end use of the products. Any suspected defects must be reported to X-Calibur in writing within five working days of being detected. X-Calibur Construction Systems Inc. **makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties express or implied.** X-Calibur Construction Systems Inc. shall not be liable for damages of any sort including remote or consequential damages, down time, or delay.



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