

# X-Pruf SBE

## High build bitumen emulsion coating and curing compound

### Product Description

X-Pruf SBE emulsified bitumen protective coating. The coating dries to form a black flexible protective film. The finished film forms a tough barrier to water vapor transmission.

### Advantages

- Resists the attack of salts like chlorides and sulphates that present in the soil
- Cold applied
- Adheres to concrete, metal, wood, etc
- environmentally friendly, can be applied in closed or confined spaces
- Water-based
- Non- flammable
- Versatile
- Economical

### Fields of Application

X-Pruf SBE is used for providing damp-roofing for below ground concrete structures which are above the water table. It can be also used as a protective coating for built-up roofing systems.

### Laboratory Test Data

PROPERTIES	VALUES	TEST Methods
<b>Form</b>	Thick Viscous Liquid	
<b>Color</b>	Dark -Brown	
<b>Specific gravity</b>	1.03 ±0.02	ASTM D 2939 & ASTM D 1227 - 95 (2007)
<b>Solid content [%]</b>	35±3	ASTM D 2939
<b>Drying time [hrs]</b>	24hr	ASTM D 2939 & ASTM D 1227- 95 (2007)
<b>Application temp [°C]</b>	5 to 45	ASTM D 2939 & ASTM D 1227- 95 (2007)
<b>Heat Test</b>	100 ± 3 °C no blistering sagging, or slipping	ASTM D 2939 & ASTM D 1227- 95 (2007)
<b>Flexibility 0 ± 1 °C</b>	no cracking or flaking	ASTM D 2939 & ASTM D 1227- 95 (2007)
<b>Resistance to water 24hr</b>	No blistering or re emulsification	ASTM D 2939 & ASTM D 1227- 95 (2007)

### Theoretical Coverage

General Use : 1 to 4 m<sup>2</sup>/ Kg. or 1Kg / m<sup>2</sup>/2coat.

Primer : 2 to 4 m<sup>2</sup>/Kg or 0.25 - 0.5 kg/m<sup>2</sup>/coat.

Actual coverage will vary with surface profile and usage.

### Packaging

Drums : 200 Kg

Pails : 15 Kg

### Shelf Life

12 months when stored between 5 and 40C under shade in a dry environment.

### Installation Guidelines

#### Surface Preparation

All surfaces to be treated should be clean and free from any contamination or surface water. Hot and porous substrates should be primed with a primer coat of 1:1 by volume of X-Pruf SBE and potable water. Apply to the substrate and allow to absorb and dry before application of undiluted X-Pruf SBE.

#### Application

X-Pruf SBE Membrane can be applied by brush, squeegee or airless spray. Stir well prior to use. It is recommended that one or two coats should be applied depending on the degree of protection required. Allow a minimum of 2 hours drying time between coats. For vertical applications, ensure that no sagging occurs. For multiple coat applications, the second coat should be applied at right angles to the first. All applications should be continued up verticals to the existing damp proof course. Ensure that the membrane is not damaged during subsequent applications. can be applied to produce waterproofing low shrink tough elastic mortar for special screeding, plastering and joint sealing use the following mix: 6Kg cement, 14Kg X-Pruf SBE, and 80 Kg sand and add as much water to obtain the required workable consistency.

Where X-Pruf SBE Membrane is to receive a screed, two coats should be applied. The second coat should be blinded with clean, dry sharp sand immediately after application. The excess sand should be brushed off when the coating has dried.

#### Clean Up

Clean tools and equipment with water while still wet. Once dry, remove mechanically or using a suitable solvent.

#### Limitations

- Do not expose to sunlight for long periods.
- Do not apply at temperatures below 5C or above 45C.
- Do not add solvent.
- Avoid skin contact.
- Do not discard into the water system.

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## 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.ncc.com.eg](http://www.ncc.com.eg).**

## Authorized Technical Specialist

Please note that only NCC 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.ncc.com.eg](http://www.ncc.com.eg) 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.ncc.com.eg](http://www.ncc.com.eg) to ensure you have the latest version.

## Warranties

NCC 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. NCC 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 NCC X-Calibur in writing within five working days of being detected. X-Calibur Construction Chemistry 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.** NCC X-Calibur Construction Chemistry Inc. shall not be liable for damages of any sort including remote or consequential damages, down time, or delay.