

## X-Pruf SBE 50

### High build bitumen emulsion coating and curing compound

#### Product Description

X-Pruf SBE 50 is a solvent free bitumen emulsion containing wetting and thixotropic agents. It is supplied in two grades:

- Standard: For use on horizontal surfaces and slopes up to 45° (ASTM D1227, Type III, Class 1)
- Fiber Reinforced: For use on vertical surfaces and slopes above 45° (ASTM D1227, Type II, Class 1)

#### Advantages

- Easy to apply
- Cost effective
- Solvent free
- High build
- Environmentally friendly
- Resists chloride and sulfate penetration

#### Uses

- Damp proof membrane
- Vapor seal
- Below grade concrete protection
- Behind facade concrete and masonry protection
- Foundation coating
- Curing membrane

#### Standards Compliance

ASTM C309  
ASTM D1227

#### Application Properties

<b>Color</b>	Brown dries to Black
<b>Specific gravity</b> (ASTM D2939)	1 ± 0.05 at 25°C
<b>Solid Content</b> (ASTM D2939)	50 ± 2
<b>Drying Time</b>	1-2 hrs at 25°C
<b>Recoat Time</b>	3-4 hrs at 25°C
<b>Full cure</b> (ASTM D2939)	24 hrs at 25°C
<b>Service Temperature</b>	+0 to +50C
<b>Water Resistance</b>	No blistering or re-emulsification
<b>Heat Resistance</b>	No flow, sag or slip under direct sunlight
<b>Flexibility at 0C</b>	No cracking or flaking
<b>Flash Point</b>	Non-Flammable

#### Theoretical Coverage

1.1 Liter per m2 for 600 microns dry film

Fiber Reinforced grade: 1.3 Liter per m2 for 700 microns dry film

Actual coverage will vary with surface profile and usage.

#### Packaging

15 and 200 Kg drums.

#### 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 50 and potable water. Apply to the substrate and allow to absorb and dry before application of undiluted X-Pruf SBE 50.

##### Application

X-Pruf SBE 50 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.

Where X-Pruf SBE 50 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.

## Health and Safety

**This product is for industrial use only by trained operatives. It is not considered hazardous if 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 Support 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 NCC X-Calibur ATs.

## Datasheet Validity

NCC X-Calibur makes modifications to its product datasheets on a continuous basis. Please 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. NCC 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.** NCC X-Calibur Construction Systems Inc. shall not be liable for damages of any sort including remote or consequential damages, down time, or delay.