

X-Pruf PolyLiner PVC

High performance waterproofing membrane & liner

Product Description

X-Pruf PolyLiner PVC is a continuously extruded sheet, manufactured from plasticized polyvinylchloride (PVC-P) and used as a waterproofing membrane for tunnels and concrete structures and as waterproof and gas resistant liner for water features, lagoons, sewage treatment ponds and landfill sites. A UV resistant grade, X-Pruf PolyLiner PVC (UVR) is available for use on exposed application such as roofs.

The membrane is produce in a thickness of 1.5 to 2mm depending on the application and the specification.

Advantages

- Not affected by settlement
- Provides a chemical resistant liner
- No primer required
- Continuously extruded sheet
- Adhesive free overlaps
- Easy to weld overlaps
- Overlap welds can be tested using patented test method
- Not affected by ponded water
- Suitable for use in hot ambient temperatures
- Compatible with a wide range of waterproofing systems
- 50 year track record

Uses

X-Pruf PolyLiner PVC has been developed to provide a tough chemical resistant water and gas proof membrane liner for the following applications:

- Water features
- Artificial lakes
- Canals
- Settling lagoons
- Tunnels
- Basements
- Landfill sites
- Brownfield sites
- Roofs (UVR grade)

Standards Compliance

SIA 280

BRE Report 12: Methane, radon and CO₂ protection

BS 8102 Grade 2, 3 & 4

BS 6920

Typical Properties

Tensile strength (ASTM D412)	>15 N/mm ²
Elongation (ASTM D412)	>300%
Shore A Hardness (ASTM D2240)	80
Tear Resistance (ASTM D624)	60
Reaction to fire (EN13501-1)	Class E

Chemical Resistance

X-Pruf PolyLiner PVC is resistant to a wide range of chemicals including:

- 10% Alkaline
- Ground water
- 10% Acid

Packaging

X-Pruf PolyLiner PVC is supplied in 2.2m x 20m rolls as standard. Other sizes are available upon request.

Storage

Store in original packaging, in cool dry conditions, away from sunlight, on pallets and protected on site with tarpaulins or similar.

Installation Guidelines

X-Pruf PolyLiner PVC can only be applied by an NCC X-Calibur Registered Contractor using trained personnel and the correct equipment. NCC X-Calibur does not allow

any contractor on to the register unless they satisfy strict selection criteria. NCC 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.

Health and Safety

This product is for industrial use only by trained operatives. It is not considered hazardous in normal use. Please refer to the Material Safety Datasheet before use. The MSDS can be obtained via our website www.ncc.com.sg

Authorized Technical Specialist

Please note that only NCC X-Calibur Authorized Technical Specialists ('ATSS') 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 for a full list of NCC X-Calibur ATSS.

Datasheet Validity

NCC X-Calibur makes modifications to its product datasheets on a continuous basis. Check the datasheet update section on 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. 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 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.