

# CHEMfix 14

PVC base High performance waterproofing membrane

## Description

**CHEMfix 14** is a flexible PVC base high performance waterproofing membrane, manufactured from plasticized polyvinylchloride (PVC) 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, **CHEMfix 14** is available for use on exposed application such as roofs.

**CHEMfix 14** is a flexible PVC base Geo membrane is an effective and long lasting impervious sheet to help prevent the loss of water through seepage. PVC Geo membrane acts as a barrier when lined in water courses. Reservoirs, Canals, Ponds and other areas where water absorbs and lost. PVC Geo membrane has various uses in the Agricultural, Construction and industrial sector.

**CHEMfix 14** PVC Geo membrane has been extensively used globally for the water conservation. Furthermore PVC Geo membrane is also used in construction industry for water proofing purposes. Due to PVC high strength polymer based, PVC Geo membrane is flexible and provides excellent three dimensional elongations. The membrane is produce in a thickness of 0.25 to 5mm depending on the application and the specification.

## USES

**CHEMfix 14** PVC membrane 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)
- Prevents water seepage
- Extremely cost effective
- High efficient
- Highly flexible
- Has good puncture and tear resistance properties
- Long life (Over 40 years)
- Takes less installation time
- Low installation cost

## TECHNICAL INFORMATION

Thickness (mm) (mil)	:ASTM D 5199 / ASTM D374
• Specific Gravity	:ASTM D 792 / ASTM D 638
• Breaking strength (Mpa) (Psi) (KN/m) (lb/in)	:ASTM D 882 / ASTM D 638
• Elongation at break (%)	:ASTM D 882
• Hydrostatic Resistance	:ASTM D 751
• Tear Resistance (KN/m) (lb/in) (N/mm)	:ASTM D1004
• Low temperature brittleness	:ASTM D 746
• Dimensional stability (% loss)	:ASTM D 1204
• Water extraction (% loss)	:ASTM D 570
• Volatile Loss ( loss%)	:ASTM D 1203
• Resistance to soil burial (percent change)	



# Technical Datasheet

## APPLICATION

PVC Geo membrane is considerably easier than many other types of Geo membrane due to its flexibility and ease of handling. PVC Geo membrane is a good enough impervious barriers and does not need any further cover or treatment and can be laid very easily.

However, in case of irrigation canals and water courses, where there are chances of damage, order to install PVC Geo membrane with hard cover, first the sub grade of required channels is prepared by the field staff and then PVC liner is applied and sealed with solvent base PVC adhesive or thermal weld.

The recommended protection covers can vary from clay ( 150 mm to 300 mm thick ), Concrete ( 50 mm to 100 mm thick ), precast slab ( 40 mm thick ) or single layer of bricks with an intermediate layer Geo textile. The overlap should be approx. 75mm to 100mm.

## PACKING

**CHEMfix 14** is supplied in 2.13 x 50 meters rolls as standard. Other sizes are available upon request.

## STORAGE

Store in original packaging, in cool dry conditions, away from sunlight, in a flat position.

## HEALTHY AND SAFETY

As with all construction chemicals products caution should always be exercised. Protective clothing such as gloves and goggles should be worn. This product is for industrial use only by trained operatives. It is not considered hazardous in normal use.

The information and recommendations above are given in good faith based on our current knowledge and experience of the products when properly stored, handled and applied in accordance with current best practice, national standards and our recommendations. As we have no control over site conditions or methods of application, no liability can be derived from the contents of this information sheet, or from any written recommendations, or from any other advice offered. The user of the product is solely responsible for the product's suitability for the intended application and is recommended to test the suitability prior to use. We reserve the right to change the properties of our products without notice. All orders are sold subject to our current terms of sale and delivery. With the publication of this Technical Information Sheet all previous editions are no longer valid.

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