

Cemproof 1500 S

CEMKRETE

Cold applied self-adhesive tanking membrane with polyethylene surface and releasing siliconized paper finish

Innovative products for your success

Uses

To provide a continuously self-adhered waterproof for tanking and civil engineering structures.

Advantages

- Cold applied no need of using torch
- Fast and labour saving application
- Uniform thickness of SBS polymer bitumen membrane
- Good adhesion to primed concrete substrates
- Produces a continuous waterproof membrane

Description

Cemproof 1500 S is a cold applied self-adhesive sheet membrane comprising a polymer modified bitumen layer onto an upper surface of polyethylene film.

The SBS polymer modified bitumen adhesive layer is protected on the underside by a siliconized release PE film or craft-paper which is released just prior to the application on primed substrate. The applied membrane is then should immediately be protected from UV light and from mechanical damage during subsequent back filling by providing application of Protection Board, Guard Sheet or sand-cement screed.

Technical support

Cemkrete offers a comprehensive range off high performance, high quality roofing/waterproofing membranes and allied products such as concrete repair and construction chemicals products. In addition to technical support Cemkrete can offer products selection to specifiers, end-users and contractors, for their specific needs and as well as on-site technical assistance.

Properties and specifications

Property	Test method	Typical result
Roll Size		15 LM X 1 meter
Nominal Thickness	UEATC	1.5 mm.
Nominal Roll Weight	UEATC	23 kg.
Moisture Vapour Transmission Rate	ASTM E96	0.41 grms/m ² /24hrs
Adhesion to Self	ASTM D1000	4.0 N/mm.
Adhesion to Primed Concrete	ASTM D1000	4.0 N/mm.
Resistance to Hydrostatic Head	DIN 1048	30 meters
Storage Life		12 months stored in cool dry conditions
Flash Point		over 65°C
Toxicity		Non Toxic
Cemproof Primer 1	Standard Grade for temperature climates	High Temperature Grade for hot climates
Flash Point	25°C	39°C
Specific Gravity	0.93	0.90
Storage Life	12 months	12 months
Coverage	3-6 m ² /litre	3-6 m ² /litre
Drying Time	30 mins – 120 mins at 20°C	2-4 hours at 20°C
Pack Size	25 liter	25 liter

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Application Instructions

Concrete surfaces should be smooth finished and free from cavities and projections. All surfaces shall be free from frost, dry and free from surfaces laitance and contamination.

Cemproof Primer 1 must be applied to the substrate and allowed to dry tack free, prior to the application of the membrane. All surfaces must be re-primed if left for more than a day prior to the application of Cemproof 1500 S.

The membrane should be applied to the substrate having first removed the siliconized release paper, pressing the polyethylene film firmly ensuring that the adhesive bitumen compound bonds well continuously to the substrate with no air pockets.

Allow a 50-75 mm. over-laps and 100-150 mm. end-laps and press down the lap-joints to ensure a positive watertight bond.

All overlaps on vertical or inclined surfaces must be carried out to produce smooth transition and should be made at wall/floor slab junctions using Angle Fillets and internal and external corners at wall and up-stands pre-protected with cut corner pieces prior to the application of the membrane. The membrane should be protected immediately after application in order to protect the installed membranes by using Protection Board or as appropriate with a sand-cement screed.

For application below 15°C it may be necessary to slightly warm the back of the membrane to achieve an immediate bond. In cooler and cold conditions the membrane should be stored at temperatures above 20°C prior to application to facilitate ease of application and immediate bond to the substrate.

Ancillary materials

Protection Board: Is a robust rot proof bitumen impregnated board used as a sheet protection for Cemproof membranes against physical damage or when backfilling.

Precautions

Cemproof 1500 S, Protection Board

There are no health hazards associated with the use of these products.

Cemproof Primer 1

This product contains volatile, flammable solvents with a flash point of 27°C for the standard grade and 39°C for the high temperature grade. Use only in ventilated areas, well away from any ignition source. If swallowed, do not induce vomiting – give a glass of water.

If in the eyes, hold the eyes open, flush with plenty of water for at least 15 minutes and see a doctor. If on the skin, remove any contaminated clothing and wash skin thoroughly.

Material Safety Datasheets are available to customers on request.

Additional Information

Cemkrete manufactures a wide range of those complementary products which include:

- Waterproofing membranes & waterstops
- Joint sealants & filler boards
- Cementitious & epoxy grouts
- Specialized flooring materials
- Fireproof coating and systems
- Concrete admixture
- Repairing material

For further information on any of the above, please consult your local Cemkrete office - as below.

Important Note: Cemkrete warrants its materials free of manufacturing defects and produced as per standard specifications and sold under the terms and conditions of usages, whilst Cemkrete endeavors to ensure that any advice, recommendation, or information, given through its products literatures are reflects of the R&D in-house lab test and practical sites experience and knowledge based feed backs, however, the products are being used under various conditions and applied beyond its control where or how either directly or indirectly at various locations and places at a different stages that of an intended purposes and uses. Therefore, Cemkrete cannot hold warranty or responsible for resultant consequences, such as damages to the property or assets but the product itself.