

CHEMFLEX BD1500

HEAVY DUTY REINFORCED SYNTHETIC RUBBER MEMBRANE FOR BRIDGE DECKS

DESCRIPTION

CHEMFLEX BD1500 is a special formulated water-based acrylic polymer membrane containing an integral linear synthetic micro reinforcement.

CHEMFLEX BD1500 has been specifically designed to eliminate blistering and wrinkling which may occur in exposed situations especially in the tropical climates. It provides a fully homogeneous membrane barrier with no laps, joints or over-flashings. It is not affected by UV or temperature extremes and will not become brittle with age. **CHEMFLEX BD1500** membrane system complies with UK highway agency approvals.

CHEMFLEX BD1500 is ideally suited for use in bridge decks, parking decks, plaza decks, flyover waterproofing. It provides an excellent pedestrian or vehicular trafficable membrane as well as is able to withstand direct heating contact with hot asphalt.

ADVANTAGES

- ✓ Seamless without visible or vulnerable joints.
- ✓ Can be applied via spraying equipment.
- ✓ Environmental friendly.
- ✓ Good crack bridging capability.
- ✓ Able to withstand high temperatures in excess of 200 °C.
- ✓ UV resistant.

SURFACE PREPARATION

The surface shall be cleaned thoroughly of all contaminants like dust, traces of curing compound, oil and grease. All surface imperfections, nail head protrusions, structurally unsound and friable concrete shall be removed and repaired with a suitable concrete repair mortar.

PRIMING

Apply one coat of PRIMER W at about 8 to 10 m²/L.

APPLICATION

Mix the contents of the pail or drum for 2-3 minutes to remove any sediments. Apply **CHEMFLEX BD1500** liquid membrane coating by brush, roller or spray-on in multiple coats.

Application will be in 2 to 3 coats, depending on the porosity and texture of the substrate.

CHEMFLEX BD1500 uses averagely 1.5 to 2.0 kg/m² depending on surface texture and dry film build.

TYPE



WATER
PROOFING

ADVANTAGES



SEAMLESS
JOINT



CRACK
BRIDGING



UV
RESISTANT



NON
TOXIC



HEAT
RESISTANT



SPRAY
EQUIPMENT

COVERAGE (PER COAT)

1.5 kg/m²

COATINGS

2 coats (min)

COMPONENT

1

PART

CHEMFLEX BD1500

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TYPICAL PROPERTIES

Properties	Value
⇒ Composition	Reinforced Polymerised Monomers
⇒ Colour	Grey or White. Special colours can be ordered
⇒ Viscosity	10000 cps @ 20 °C
⇒ Solids Content	> 65%
⇒ Tensile Strength	14 N/mm ² @ 100% Elongation
⇒ Elongation at Break	150% approx..
⇒ Vapour Transmission	15 gm/mm/m ² /24 Hours
⇒ Peel Test	167 N on concrete
⇒ Chemical Immersion Test	Passed (water, bleach)
⇒ Moving Joint Test (CSIRO)	Passed
⇒ Accelerated Weathering	Passed
⇒ Trafficability (Based on DFT of 1 mm @ 25 °C, 40% RH)	
⇒ Foot Traffic	8 hours
⇒ Vehicular Traffic	24 hours

HEALTH AND SAFETY

Protective clothing such as gloves and goggles should be worn when handling the product. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. Ensure that the container is available for medical attendant to examine any relevant instructions and content details.

PACKAGING

20 litre (25KG) pails or 200 litre (250KG) drums

STORAGE AND SHELF-LIFE

A shelf-life of up to twelve (12) months can be expected if stored out of direct sunlight whenever possible.

Legal Notes:
Statements made in this bulletin are for the assistance of our customers. They are based on our experience and judgment but must not be regarded as amounting to a legal warranty or as involving any liability on our part. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of this product must test the product's suitability for the intended application and purpose. CHEMIND reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. Users may always refer to the most recent issue of our Product Data Sheet for the products concerned, copies of which will be supplied upon request.

Made In Malaysia

SCOPE OF REGISTRATION AND STANDARDS

Manufacture of Waterproofing materials. Compliance SIRIM testing. Compliance with ASTM technical standards and AS 3740 - 2004 Australia Standard.



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