

Superflex 2000

CEMKRETE

Highly elastomeric synthetic rubber modified bituminous cold applied liquid waterproofing membrane

Innovative products for your success

Description

Superflex 2000 is a synthetic rubber modified, bituminous, cold applied compound, with anti-oxidants and special additives to enhance adhesion. After drying, it forms a continuous monolithic bituminous membrane.

Usage

Superflex 2000 is recommended for dam-proofing and waterproofing of concrete and masonry surfaces above and below ground, walls, floors, roofs, bridges, bathrooms, toilets, kitchens and other surfaces which require a highly flexible coating.

Advantages

- Cures to a tough elastic film, resistant to weather, sun rain, underground water salts.
- Resistant to acids and alkalis.
- Easy to apply and reduces labor cost.
- Economical waterproofing liquid membrane.

Standards compliance

Meets or exceeds the performance requirements of ASTM C 836-84.

Surface Preparation

The surfaces must be clean and free of oil, grease, debris or other foreign matters. For the porous surfaces prime the surface with our Bituminous Cemprime D41. Allow the primer layer to dry completely before applying **Superflex 2000**.

Application

After stirring well, **Superflex 2000** can be applied by wood float, trowel or squeegee. If the material is found too thick for application, it can be diluted with suitable solvent such as thinner or xylene.

Cleaning

Superflex 2000 can be cleaned from equipment and tools with any suitable solvent such as thinner, gasoline or kerosene.

Health & Safety

All safety measures should be observed during application. Workers should wear protective masks, gloves and goggles during application.

Storage & Material Handling

Store in a dry and shaded area in original packing. The container should be kept covered while working in order to prevent evaporation of solvent.

Properties

Drying

Tack free time @ 35°C : 2-3 hours
Time to full cure @ 35°C : 24 hours @ 1.0mm thick.

Typical cured membrane properties (at 28 days)

Elongation

(ASTM D412) : >2000 %

Tensile Strength

(ASTM D412) : 1.0 N/mm²

Water Vapour Transmission

For 1.0mm film (ASTM E96) : 10.5 g/m²/24 hrs.

Permeability

(ASTM E96) : 0.050 ng/m²/sec/Pa*

Artificial Weathering :

No loss of flexibility after 2000 hours exposure

Extensibility after heat aging (min. requirement – extended to 6.4mm without cracking) :

No cracking or tearing

Service temperature (Continuous ambient) :

-10°C to 70°C

* 1ng = 10-12kg

Chemical Properties

Superflex 2000 is unaffected by a range of mild acids, alkalis and water borne salts and is resistant to bio-deterioration.

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Curing and Protection

Superflex 2000 membrane must be cured for a minimum of 24 hours @ 25°C before placing protection. Where damage to the membrane is possible (by foot traffic or backfilling, etc) it should be protected by a cementitious screed or protection boards. A dust coat of cement should be used to prevent adhesion of the membrane to the boards. Where a bond with the topping is not required, a separator sheet should be used to prevent damages to the membrane it is recommended that **Superflex 2000** is laid in strips of 1 meter width to permit the application of a screed or Protection Board from the uncoated area.

Flood Test

Prior to placement of protection, flood the waterproofed area to a minimum depth of 50 mm of water and allow for 24 hours. Drains shall be plugged and barriers placed to contain the water.

Estimating and Packaging

Supply

Superflex 2000 : 20 kg. Drums

Coverage

Superflex 2000 : 0.67 m² /kg. @ 1.0 mm DFT
(2 coats application)
or
1.50 kg. / m² @ 1.0 mm DFT
(2 coats application)

Storage

Shelf life

Superflex 2000 has a shelf life of 12 months if kept below 25°C in the original, unopened packs.

Additional Information

Cemcrete 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 Cemcrete office - as below.

Important Note: Cemcrete warrants its materials free of manufacturing defects and produced as per standard specifications and sold under the terms and conditions of usages, whilst Cemcrete 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, Cemcrete cannot hold warranty or responsible for resultant consequences, such as damages to the property or assets but the product itself.