

Dampfix

CHEMLAND CHEMICAL TECHNICAL DATA SHEET



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JHOTWARA INDUSTRIAL AREA, JAIPUR

Chemland DampFix

Liquid waterproofing membrane

Chemland DampFix is a liquid membrane, which is a highly elastic, solvent free, natural rubber like water proofing system. It is a one component and not a complicated mixture. It is supplied ready-to-use for cold application. It forms flexible coating, which can be painted over if a light reflective surface is preferred. Chemland DampFix contains no solvent and is suitable for both indoor and outdoor sealing.

PRODUCT FEATURES

- It is resistant to all-dilute acids or alkali, fumes or fluid gases commonly encountered in the construction industry
- It is cold and heat resistant to weathering and aging, remains durable, elastic and waterproof
- In normal roof layer construction it is not affected by spark or radiant heat
- It dries to form a seamless, highly elastic and waterproof membrane
- it is suitable for horizontal surfaces-above and below ground
- it adheres well to dry, wet, absorbent and non – absorbent surfaces
- it is not damaged by roots and not attacked by rodents
- it bridges surface stresses and hairline cracks

APPLICATIONS

- Metal and corrugated sheets
- Roof superstructures and connections
- Silos store rooms or stable retaining walls
- Terraces balconies
- Foundations, under ground structures
- It is suitable for both indoor and outdoor sealing and waterproofing coating

- External cellar sealing
- Damp and wet wall
- Bridges

RECOMMENDED APPLICATION

Basement waterproofing

All surfaces to be waterproofed should be sound, clean and dry. Concrete surfaces should have a light steel-trowel followed by a fine hair broom or equivalent finish which is dry and free of dust, oil and other contaminants. All high spots should be removed. Moss and laitance must be removed physically followed by treatment with fungicidal wash to kill any spores and inhibit further growth. After treatment wash down thoroughly with clean water and allow drying. All metal surfaces should be made clean of paint, oils, rust and other contaminants.

Roof waterproofing

Chemland DampFix provides economical roof sealing. None of the usual equipment or materials, such as boiler, gas cylinder, burners or adhesive is required. It seals flat, inclined or vertical surfaces, joints to super structures etc. It can be painted over with reflective and elastic water based paint. The roof surfaces should preferably be slightly inclined to ensure adequate drainages and prevent formation of puddles. Thick coating of Chemland DampFix act as a vapor barrier and water drainage should be provided beneath the coating e.g. with perforated bitumen sheet if vapor pressure build – up is anticipated. For accessible roofs a protective screed should be provided. A PE vapor barrier sheet should be placed between the Chemland DampFix and the screed. The cement / sand screed should be at least 30 mm thick. Use SBR based polymer in screed as an additive. Chemland DampFix is solvent free thus eliminating any danger of fire, explosion or health-risks and permitting application in confined spaces.

DIRECTION OF USE

Surface preparation

All surfaces to be treated should be sound, clean, and dry. Concrete surfaces should have a light steel-trowel followed by a fine hair broom or equivalent finish which is dry and free of dust, oil and other contaminants. All high spots should be removed. Moss and laticence must be removed physically followed by treatment with fungicidal wash to kill any spores and inhibit further growth. After treatment wash down thoroughly with clean water and allow drying. All metal surfaces should be made clean of paint, oils, rust and other contaminants.

Priming

Absorbent surfaces such as porous concrete sand/cement and cement boards will require sealing to prevent absorption of Chemland DampFix. Use diluted Chemland DampFix as a primer coat. Coverage of diluted Chemland DampFix is 70-80 sq. ft./liter/coat on the clean and dry substrate with a standard paintbrush. Coverage may vary depend on the surface porosity or undulation of substrate.

Cracks

All shrinkage and rigid structural cracks should be pre treated with a acrylic caulk, polysulphide sealant or polymer modified mortar. Allow to cure overnight before general application .

APPLICATION PROCEDURE

The dry film thickness (DFT) of Chemland DampFix should be minimum 1.0mm. Rough or textured surface will reduce the coverage rate and consequently more

COVERAGE

Chemland DampFix should be applied @1.7-1.8 kg / sq.mt./2coats/mm thickness. Depending upon the requirements and also on

the gravity of the leakages, Chemland DampFix may be applied in 2 or 3 coats.

CLEANING OF TOOLS AND EQUIPEMETS

Clean tools immediately after use with water.

STORAGE AND SHELF LIFE

In originally sealed packages, the material can be stored for 12 months.

PRECAUTIONS

- All corners, gaps, joints, protrusions and outlets shall be coated with extra coat.
- Do not apply during rains, substrate must be in SSD condition for application of primer.
- The product is designed only for foot traffic and not vehicular or movement of machinery or equipments.
- To achieve the full proof waterproofing, all parapet walls should be covered with Chemland DampFix
- All walls to floor joints must be provided with proper angle fillets prepared with polymer modified mortar using Chemland SBR – 202.
- If the surface has excess moisture then there is possibility of blister formation in case of liquid applied membrane coating

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