



LEAKGUARD 5000

ADVANCED ROOF WATERPROOF COATING SYSTEM



EUROBUILD
CONSTRUCTION CHEMICALS & COATING

EUROPEAN TECHNOLOGY WATERPROOFING SYSTEM

CONCRETE WATERPROOFING MASTERGEUIDE SPECIFICATION

Leakguard 5000 is a two component flexible waterproof protective coating for concrete roof and masonry substrate. Leakguard 5000 is a elastomeric two component system, which waterproof/weatherproof and protects concrete and similar structures.

Specially formulated for concrete roofs/slabs, block wall, retaining walls, water tanks, submerged tunnels, bridge deck, bathrooms, permanent wet areas and variety of extreme service class structures.

Uses

- Leakguard 5000 recommended to apply to new or old concrete structures that are structurally sound:
- Concrete roof slabs, wet areas, floor slabs of balcony.
- Bathrooms, Toilets and Water tanks
- Bridge deck, canals and treatment plants
- Structural surfaces of dykes, and dam walls
- Excellent weatherproof coating.

Advantages

- Permanent water leaks protection for concrete roofs
- Provides a flexible low permeability surface.
- Excellent resistance to ingress of water.
- Excellent resistant to abrasion and UV rays.
- Non toxic. Recommended for internal water tanks waterproofing applications.
- Excellent adhesion to concrete, natural and artificial stone.
- Excellent resistance to chloride ion diffusion and carbon dioxide.
- Excellent waterproof coating for marble/stone
- Excellent barrier for fungal growth



Application Instructions

EUROBUILD assigned Technical team shall explain related to product's Mixing and Application procedures. Follow the instructions strictly for the coating better results. Do not ignore any singlesteps of instructions.

Existing Old Concrete Roof/Slab

Surface Preparation

Surface preparation is a one main procedure of waterproof coating application. For better performances and long lasting coating and durability, surface preparation leads the main. Insufficient surface preparation affects the coating performance.

Existing/old concrete areas must be cleaned thoroughly. Fungal areas should be removed/ cleaned with EUROBUILD recommended cleaning compounds. Remove all loose, weak, debonded concrete from the substrate. Repair all cracks and debonded concrete with EUROBUILD recommended concrete repair mortar. Repair the concrete with using proper EUROBUILD Bonding agents.

All the joints and corners must be treated EUROBUILD recommended jointing systems. Surrounding the pipes and corners/edges should be carefully treated with fibre mesh reinforcement. Rectify all possible leaking areas carefully.

When the floor/roof is prepared, clean with water and remove all dirt and dust completely. The prepared surface must be dried completely, prior to the coating applications.

Reinforcing Application

Virgin polypropylene mesh can be used over joints, cracks. When the completion of the first coat installs the mesh tightly and overcoat the entire area. Ensure the reinforcement is completely sealed with final coats.

New Concrete Roof

When the concrete roof/slab became completed, immediate waterproof coating can be applied prior to plastering or levelling. Rectify all possible leaking areas carefully. All the joints & corners must be treated EUROBUILD recommended jointing systems.

Mixing

Place the liquid component (Part B) in a suitable mixing container and slowly add powder (Part A), mixing with a stirrer using drill machine (1kw) at slow speed. Mix the product (Kit) at a time. Ensure the enough manpower for the mixed products application within stipulated time frame

Waterproof Coating Application

Base Coat

When the surface is prepared (as per ANSI 114) proceed the first coat application at an average thickness of 1 mm and cover the complete areas properly. For better application results use roller brush and evenly apply layer to layer. Do not make any gap between layers.

Finish Coat

The base coat must be cured minimum 48 hours prior to the finish coat. Ensure the first coat dried completely before the finish coat. Clean the dirt and dust from the top of basecoat surface.

Shelf Life

Leakguard 5000 is produced for a minimum shelf life period of 12 months, if stored in a cool and dry environment.

Coverage

Approximately 15m²/Kit (150 sq.ft) @ 2mm thickness.

Packing

KIT	20 Kg.
Powder	15
Liquid	5

Standards

DIN 1048, Part 5: 1991, BS 8102.



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ROOF/WALL WATERPROOF COATING SYSTEM

Technical Data

Material Performance on a concrete with cement content of 325 kg/m³ and w/c ratio of 0.48

Water permeability Coated with Leakguard 5000	Nil
Colour	Grey / White
Toxicity	Non Toxic
Specific Gravity	1.9 kg./Lit.
Abrasion Resistance	0.09 cm/km
Chloride content	1.0%
Water penetration (5 bar)	Nil
Resistance to positive	I
Water pressure (DIN 1048) 7 bar	Nil
Resistance to negative pressure (DIN 1048) 3 bar	Nil
Chloride ion diffusivity	Zero penetration at 90 days
Ponding Test	48 hours

Technical Support

EUROBUILD will be pleased to offer full technical support on specific applications.

Health and Safety

Leakguard 5000 is alkaline and should not come into contact with skin or eyes. Avoid inhalation of dust during mixing. Gloves, goggles and dust masks should be worn. Splashes to eyes should be washed immediately with clean water and seek medical advice.

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www.eurobuild.ae

Made in United Arab Emirates

Technical Specifications

Leakguard 5000 is a two-part system supplied as a preblended powder mix and a new generation of environmentally friendly acrylic emulsion specifically designed to modify cement composition.

Curing

It is essential that good concreting practice is performed and maintained at every stage of the application process. Ensure that Leakguard 5000 is cured properly after application. Minimum 3 days curing is essential before flooding.

Product Guarantee

EUROBUILD ensures the Product's Life Time Guarantee is applicable, when waterproofing done below the screed.

NOTE: The information supplied in our literature or given by our employees is based upon extensive experience and, together with that supplied by our agents or distributors, is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof



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