

EUROGARD HD

Multi Function, Premier Performance, Waterproofing

Data Sheet
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EUROGARD HD IS A LIQUID APPLIED EPOXY RESIN COATING, WHICH DRIES TO FORM A TOUGH, WATERPROOF AND CHEMICAL RESISTANT MEMBRANE.

1. APPLICATIONS



- Marine Concrete
- Bund Walls & Floors
- Plant Rooms
- Computer Room Floors
- Anti Skid Walkways Traffic Decks.
- Water Features and Roof Gardens

2. COST BENEFITS

- Can be applied to most substrates, without primer.
- Simple and rapid application. Touch dry in 6 Hours in ambient temperatures.
- Solvent free enabling the product to be applied in enclosed spaces and with minimal disruption to the applicator and surrounding environment.

3. GUARANTEED DURABILITY

The product complies with the requirements of BS 5908 for coating for chemical plant bund walls and floors.

Eurogard HD is impervious to water, and when subjected to normal service conditions, will provide an effective barrier to the transmission of liquid water and water vapour, for the design life of the structure in which it is incorporated.

Eurogard HD has excellent adhesion to correctly prepared substrates without the need for a primer. Once installed Eurogard HD will provide excellent resistance to mechanical and chemical damage.

4. TYPICAL PHYSICAL & PERFORMANCE DATA

Standard Colour	Grey
Form	2 Component Epoxy Coating
Specific Gravity	1.10
Non Volatile Content	100%
Coverage Rate	0.25Litre / m ² / Coat (2 coats)
DFT of Coating	0.25mm / Coat
Curing Time	6 to 8 hours
Overcoat Time	6 to 8 hours
Tensile Strength	> 10.0N/mm ²
Elongation	>100%
Application Temperature Limits	5 to 35 ^o c
UV Resistance	Excellent
Chemical Resistance	Excellent
Shelf Life	12 Months
Pack Sizes	5 & 20Lt

For specific advice on Chemical Resistance. Contact Euro Polymers Technologies Ltd.
Non standard colours may be available on request.

5. INSTALLATION

Substrates

- New concrete, screed or render should have a brushed or wood float finish, and should be free from contamination by any material which could impair adhesion. All surface defects should be repaired by approved methods. Protrusions greater than 3 mm should be removed.
- Existing concrete, screed or render should be well prepared to provide a dense, defect free substrate.
- Brickwork, blockwork and masonry should be flush pointed.
- All substrates should be surface dry, and free from standing water.
- New Concrete should be at least 28 days old.
- Metal surfaces should be cleaned using wire brush or mechanical means. Eurogard HD is compatible with most metal primers.

Application

Eurogard HD is supplied in pre-weighed units consisting of individually packed base and reactor. Units should never be split or divided. Ensure that the entire contents of both units are mixed thoroughly to a uniform colour using a slow speed drill and mixing paddle. Clean mixing paddle between each batch. Never attempt mixing at temperatures below 5°C as this will impair or halt the curing process. The product is always applied in 2 equal coats, allowing the first coat to cure thoroughly. Initial curing is complete after 6 hours at 20°C, but this will be extended at lower temperatures, and reduced at higher temperatures. Apply using a stiff brush or sheepskin disposable rollers. Clean tools using Hydrocarbon solvent.

Anti skid wearing surfaces can be obtained by broadcasting bauxite or similar hard wearing aggregates into the second coat of Eurogard HD immediately after the application. Consult Euro Polymers for specific advice.

Coverage Rates (Two coat application)

Coverage	Wet Film Thickness (Per Coat)	Dry Film Thickness (Per Coat)
0.25 Litres/m ² /Coat	250 microns	250 microns

For coverage rates relating to anti-skid surfacing consult Euro Polymers.

Adhesion

The membrane has excellent adhesion to correctly prepared substrates, without the need for a primer.

Movement Joints

The membrane should be reinforced at movement joints using Euroseal 801 self adhesive membrane, and by applying additional layers of product in these areas. Refer to Euro Polymers for specific recommendations.