



USES

EuroThane HP 425 ideally suitable for Protection/Waterproofing on:-

- ❖ Specially formulated for protection/waterproofing
- ❖ Recommended for concrete surfaces
- ❖ Wet areas waterproofing
- ❖ Concrete internal & external protection
- ❖ Recommended for Elevator Lift Pit Waterproofing
- ❖ Recommended for concrete roof
- ❖ Swimming Pools internal waterproofing.
- ❖ Residential & Commercial buildings roof waterproofing.
- ❖ Recommended for Flat and Slope roof areas.
- ❖ Potable water tanks/ Fish Tanks
- ❖ Waterproofing between the structural slab and concrete topping of roofing system and under flashings.

APPROX. COVERAGE

**Approx
Packing**

**35 m²/Pail
20 Ltr Pail.**

EUROTHANE HP 425

Hybrid Polyurethane Liquid Applied Waterproof Coating

EuroThane HP 425 liquid applied hybrid polyurethane elastomeric membrane for waterproofing and high grade protection system of a wide range of surfaces. The product cures to a tough rubber like finish with exceptional elasticity, which allows for expansion and contraction over a wide range of temperatures.

EuroThane HP 425 has excellent bonding to substrate thus, water can't penetrate through the membrane even if it's accidentally punctured. EuroThane HP 425 is applied either by brush, roller or spray. EuroThane HP 425 provides excellent waterproof membrane with or without the support of reinforcing fabric.

Apply EuroThane HP 425 at a thickness of -200-300 micron WFT as a primer coat. However, it will be necessary to make 2 coats to build up the desired thickness. Recommended thickness is minimum 1 mm for horizontal surfaces and thickness varies depends on applications. Each coat must have a gap of minimum 6 hours on the temperature >35°C. Reinforcement with fabric/mesh enhances the durability and waterproof property.



ADVANTAGES

- ❖ Single Component
- ❖ Excellent and permanent barrier for water leaks.
- ❖ Highly flexible product, self cures and forms elastomeric anti – fracture membrane.
- ❖ Excellent protection for exposed concrete surface.
- ❖ Excellent withstanding on severe cases of expansion, contraction and movements.
- ❖ Highly compatible with premium grade tile adhesives.
- ❖ Highly U.V resistant
- ❖ Excellent alkaline resistant
- ❖ Excellent crack resistant and durable.
- ❖ Excellent surface bonding(Concrete and masonry)
- ❖ Superior adhesion property ensures durable bond & resistance to peeling, separation and provides longer life.

APPLICATION INSTRUCTION

Surface Preparation

All surfaces must be smooth, dry, firm and free of voids, projections, loose materials, oil, grease, curing compounds and other foreign materials. Concrete should be cured a minimum of 28 days before applying membrane. Ensure the surface is completely dust free prior to the coating. Surface preparation is highly important.

APPLICATION

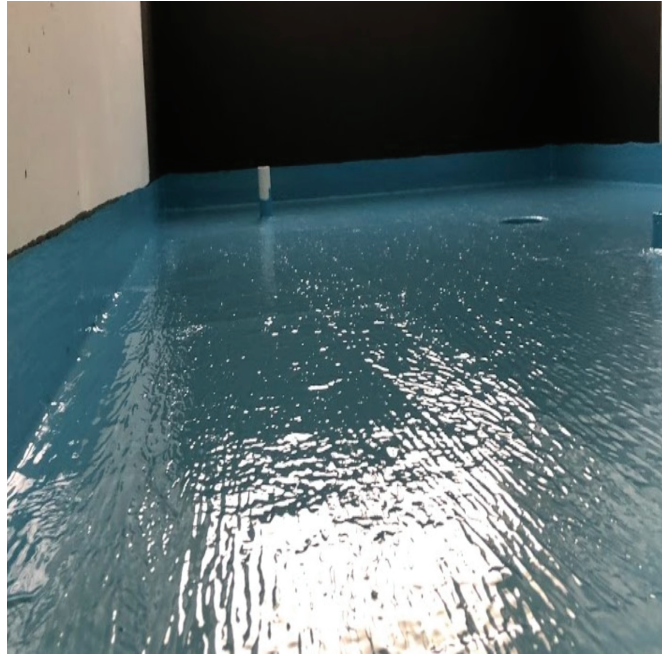
EuroThane HP 425 designed primarily for horizontal applications with its self-levelling characteristics, and also can be applied to vertical surfaces with a roller or suitable spray equipment.

Curing & Testing

The applied areas allow to cure min. 3 days @ temp. >35° C. Water testing should be conducted only after 3 days of the final coating. Ensure the applied areas completely dry prior to flood test. Protect the surface immediately after the flood test.

Tools Cleaning

Tools and equipment may be cleaned with using water.



Typical Properties	Results	Work life		Curing Time	
Viscosity in cPs @ 25°C	10,000	@25 °C 50% R.H	6 hours	@ 25°C 50% R.H	8 hours
Solids as packed @ 25°C ASTM C836	95%	@45 °C 50% R.H	3 hours	@ 45°C 50% R.H	6 hours

TYPICAL PROPERTIES OF CURED MATERIAL

(Cured for 14 days uncatalysed at 25°C, 50% R.H.)

Tensile Strength	ASTM D 412-75	300 psi	Moisture Transmission	ASTM E 96-66 In gm/hr/m ²	0.02
Elongation	ASTM D 412-75	>700 %	Crack Bridging	ASTM C 186	3 mm
Hardness Shore A	ASTM 412-75	65±5	Shelf Life (35°C)	12 months	
Resilience (Recovery%)	STM 412-75	95%	Adhesion-in-peel test (ASTM C 836)	Comply	
Pull Off Strength	BS 1881 Part 207		>2 N/mm ²		
Depth of Water Penetration	BS EN 12390 P 8	5 Bar	Nil		
Chloride ion diffusivity			"0" penetration at 90 days		
Moisture vapour transmission	ASTM E 96		>300 (g/m ² /day)		
Carbonation resistance			0 MM		
Application temperature		5-45°C			
Specific gravity	ASTM D 1475	1.3±0.05			
Service Temperature Range			~-30°C to +80°C (some up to +90°C)		
Water Resistance No leakage at			5-7 bar hydrostatic pressure		

All values given are subject to ±5-10% tolerances

LEED

GREEN PRODUCT - EuroThane HP 425 may contribute towards LEED Credit. Low VOC – Approx. 20.0 g/l.

Limitations

EuroThane HP 425 is not recommended for finishing surfaces. Do not apply on excessively hot decks.

Technical Service

EUROBUILD offers full technical support to specifiers, contractors and end users, as well as technical assistance on site and after sales consultations.

Health & Safety

Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment. The use of barrier creams provide additional skin protection. In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advise.