

Lambert® Epoxitar HD

Heavy Duty Coal Tar Epoxy Coating for Steel and Concrete

Description For interior and exterior use where acid, alkali, chemical and abrasion resistance is needed. It is particularly suitable for external and internal coating of steel and concrete tanks and for marine and industrial applications where conventional paints do not provide sufficient protection.

- Uses**
- ❖ Chemical Industries
 - ❖ Harbor Installation
 - ❖ Hydro Electric Projects
 - ❖ Penstocks
 - ❖ Petroleum Refineries
 - ❖ Pipelines
 - ❖ Underwater Piling
 - ❖ Sheet Piling
 - ❖ Steel Column & Beam Protection
 - ❖ Sewage Systems & Sewage works
 - ❖ Palm Oil Industries
 - ❖ Rubber Industries
 - ❖ Structural Waterproofing
 - ❖ External Wall Waterproofing
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Properties	Solid Contents	95%
	Viscosity of Resin	12,000 –15,000 cps (27°C)
	Viscosity of Hardener	500-1000 cps (27°C)
	Mixed Viscosity	8,000 – 10,000 cps (27°C)
	Specific Gravity	1.2gms/cm ³
	Pot Life	Approximately 4 hours at 25°C
	Touch Dry	4 hours at 25°C
	Recoating Time	4 hours minimum; 36 hours maximum
	Full Cure	7 days
	Theoretical Coverage Per Coat	3 m ² /kg (300 Microns)
	VOC Content	< 30%

Colour Black

Packing 21 kg/set

Technical	Tensile Strength	$\geq 2\text{N/mm}^2$	CNS 15606-2
Data	Elongation at Break	23.30%	CNS 15606-2
	Tensile Shear	30N/mm^2	ASTM D 1002 (metal to metal)
	Flexural Stre	$\geq 1\text{N/mm}^2$	CNS 4392

Surface Preparation Abrasive blast clean to minimum SA 2.5 standard for steel. All concrete surfaces should be clean, dry and free from any contaminations.

Application Preferably airless spray or compress air spraying. Can be applied by brush or roller. Mix the contents of each container separately by power stirring. Then mix the base and hardener thoroughly and leave it for 10 minutes before use.

Film thickness:

Recommended film thickness is 300 microns per coat or 600 microns in two coats. Measurement can be made with a magnetic film thickness gauge such as the Elcometer.

Recoating:

Generally two coats are recommended. The second coat is applied after the first coat has become firm. This is to ensure maximum intercoat adhesion. Where the initial coat has cured for more than 48 hours or has been exposed to intense sunlight resulting in a dulling of the surface, the surface should be wire brushed to ensure a mechanical bond. Damaged coating should be spot blasted to bright metal and Lambert Epoxitar HD can be reapplied to the required thickness.

Precaution

- ❖ In the wet state the material is highly inflammable.
- ❖ Provide adequate ventilation during use.
- ❖ Clean all equipment immediately after use with special Lambert Thinner.
- ❖ Avoid contact with the skin. Use of gloves is recommended. If splashed, wash with soap and water and if necessary seek medication.

Notes The information, and, in particular, the recommendations relating to the application and end use of Lambert products, are given in good faith based on Lambert's knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respects of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

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