LEYCO®-POX 134

TAR-COATING (SEMIGLOSS)

Product Description

LEYCO®-POX134 is a two-component, polyamide cured coal tar epoxy which provides a very hardwearing coating, highly resistant to crude oil, seawater, fuel oil etc.

Uses

LEYCO®-POX134 is used as a self-priming coating system for long-term protection of steel and concrete in severely corrosive environment, e.g. surfaces submerged in fresh water, seawater or exposed in tidal and splash zones. It provides excellent protection as lining in crude and fuel oil tanks.

Technical Data

General Information

Recommended Substrates / Pre-treatment

Mineral surfaces (concrete, cement screed, plaster) and steel. The concrete or cement screed must be dry, clean, with a structurally sound surface, of sufficient density and strength in accordance with accepted concrete technology, free from cement grout, form oil, sealing and curing agents, dirt, grease, oil, etc.

Moisture content not about 3 %.

Protection against incursion of moisture from below or the sides.

Steel must be clean, dry and free from rust and greased (sandblast Sa 2 1/2)

Preparation of Substrate

Concrete: Cleanse thoroughly in accordance with local requirements (rigorous scouring with a steel brush, disclaiming by repeated applications of flu ate, steam-jet cleansing , sand/flame blasting, milling or grinding. The best method is by Sand/flame blasting or milling.

Steel: Remove corrosion and clean from any contamination (sandblast 2 2/1).

Technical optimum: Blasting

Coating System

Steel

1 x Prime coating with LEYCO®-POX111, epoxy metal primer. Dry film thickness 60-80my

2 x Top coating with LEYCO®-POX134, not diluted. Dry film thickness min. 125my each working operation.

Concrete

1 x Prime coating with LEYCO®-POX134, 1:1 thinned with LEYCO®-POX CL THINNER

2 x Top coating with LEYCO®-POX134, not diluted

Service Temperatures

Maximum

Dry	90 °C
in oil	60 °C
in water	45 °C (no temperature gradient).

Volume of solids: Approx. 70 %

LeycoChem LEYDE-Iraq
Tel.: 0750-4344200, Tel.:0770-8748222, Tel.:0781-3802151
Email: sales.leycochem.iraq@leyde.com
www.leyde.com

LeycoChem LEYDE GmbH Germany
Industriestrasse 155 Tel.:+49(0)2236-96600-0
P.O. Box 501627 Fax:+49(0)2236-96600-10
D-50999 Köln/Cologne Email: leycochem@leyde.com

Product Data Sheet
Product No: 30.134

Application

Binder Base: 2-component-polyamide cured coal tar epoxy.
Specific Weight: black approx. 1,3, brown approx. 1,5
Thinner and Cool Cleaning: LEYCO®-POX CL Thinner
Colours: black and brown.

Working Up
Mixture: 4:1 parts by volume LEYCO®-POX134 H

Pot live: 2 hours at 20 °C

Application method
Airless-spray and brushing.

Nozzle orifice: 0,18" - 0,23"

Nozzle pressure: Approx. 200 bar.

Film thickness: 125 my dry each working operation (= wet approx. 175my)
Use a 50 % overlap with each pass of the gun. On irregular surfaces , coat the edges first, making an extra pass later. Do not apply when the surface temperature is less than 5 °C and the dew point is less than 3 °C rel. humidity max. 80 %.

Drying Time
Dry to touch after approx. 6-7 hours at 20 °C and 125my dry film thickness. Fully cured after 1 week.

Overcoating
The best time for over coating is when the paint film is still slightly tacky. This curing stage is for 125 micron dry film thickness reached after approx. 6 hours at 20 °C and sufficient ventilation.

The over coating intervals in hours for LEYCO®-POX134 (on condition of sufficient ventilation):

Surface temperature		**5 °C**	**10 °C**	**20 °C**	**30 °C**
Dry film thickness in my					
of H2-6001 S		125-200	125-200	125-200	125-200
P 1488/IS/BB Aluminium and P 1488AF Antifouling					
	min.	21-39	14-27	6-11	4-7
	max.	56-73	36-45	16-21	10-14

The maximum over coating interval between layers of LEYCO®-POX134 can be doubled on the condition that the coating has not been exposed to sunlight, water/condensation, or to (other) contamination. before over coating. Furthermore the surface of the first layer of LEYCO®-POX134 must be free of any exudations.

This is secured by keeping the conditions of application, drying and curing, i.e. such as ventilation, temperature, film thickness and thinning within the above described limits. Note that excessive temperatures also must be avoided. If the maximum over coating interval is exceeded, roughening of the surface is necessary to ensure intercoat adhesion. Bleeding may occur into subsequent coats.

The effect is cosmetic only and has no negative influence on neither the anticorrosive or the antifouling properties of the system. LEYCO®-POX134 is for professional use only.

Safety Instructions

Safety precautions
Handle with care. Before and during use, observe all safety labels on packaging and paint containers. Follow all local or national safety regulations. Harmful or fatal if swallowed. Avoid inhalation of possible solvent vapours or paint mist, as well as paint contact with skin and eyes: Apply only in well ventilated areas and ensure that adequate forced ventilation exists when applying paint in confined spaces or when the air is stagnant. Always take precautions against the risk of fire and explosions.

Legal notes