

# LEYCO®-POX 124

## HIGH-BUILD EPOXY MAINTENANCE COATING SYSTEM

### Product Description

An economical high-build maintenance coating system. LEYCO®-POX124 cures to a hard, tough film with excellent sub film corrosion resistance. It has excellent physical properties and very good all-round chemical resistance for the use on suitably primed steel, on sealed or surfaced concrete. It has performed satisfactorily in radiation resistance and decontamination, and is an excellent tank lining for potable water. (Test report available on request.)

### Uses

LEYCO®-POX124 is used as maintenance coating system for protection of structural steel, concrete, equipment and tank exteriors in chemical and food plants, breweries, paper mills and other industries with corrosive conditions. Excellent protection for equipment subjected to impact, abrasion, detergents, water, steam and oils. LEYCO®-POX124 coatings are easy to clean and maintain. An excellent lining system for tanks for sugar, water and syrup solutions. LEYCO®-POX124 has many uses in dairy, bottling, canning and similar plants. As one-coat system for protection of floors from impact and abrasion where non-slip surface is desired on walks, showers', school, hospital and industrial areas. For protection of floors from spillage of mild acids, alkalis, salts and solvents. Not to be used for continuous immersion of strong mineral and organic acids.

### Technical Data

<b>Mixing ratio:</b>	A:B = 5 : 1 (by weight)
<b>Viscosity:</b>	8 mm 23 (at 23 °C)
<b>Density:</b>	1,47 g/cm <sup>3</sup> (at 23 °C) DIN 51 757
<b>Pot life: Rili-DASt</b>	Tt 40 °C
at 10 °C	90 min.
at 23 °C	40 min.
at 30 °C	20 min.

<b>Min. temp. for application:</b>	12 °C
<b>Max. time between coats:</b>	8-24 hrs (at 23 °C)
<b>Light traffic use after:</b>	24 hrs (at 23 °C)
<b>Full traffic use after:</b>	7 days (at 23 °C)

<b>Water absorption:</b>	DIN 53 495	-3L- 23 °C -21d	0,8 %
<b>Linear shrinkage:</b>	Rili - DASt	1,09 mm/m	
<b>Shore-hardness:</b>	DIN 53 505	87 D	
<b>Tensile strength:</b>	DIN 53 455	26,0 Mpa	
<b>Flexural strength:</b>	DIN 53 455	3,0 Mpa	
<b>E- Modulus:</b>	DIN 53 457	3500 Mpa	
<b>Tensile strength:</b>	DIN 53 452	59,0 Mpa	
<b>Compress. strength:</b>	DIN 1 048	98,0 Mpa	

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## Product Data Sheet

Product No: 30.124

**Appearance/Colour:** Grey (RAL 7032) and various other colours on request.

**Note:** Material losses during mixing and application vary and must be taken into consideration when estimating requirements.

**Packaging:**

**Storage / Shelf life:** 1 year in original sealed container and in cool and dry store.

## Application

### Surface preparation

The substrate must be firm, clean, dry and free from all contamination. All loose particles and excess laitance should be removed by mechanical or chemical methods.

Smooth concrete must be etched or sandblasted.

Recommended primer for surface:

**Concrete:** LEYCO®-POX101

**Steel/metal:** LEYCO®-POX 111

a) Thoroughly mix comp. A + B.

b) Mix comp. A + B and add special silica filler or selected quartz sand.

## Examples

### 1.0 For concrete substrate application with trowel

A) Apply LEYCO®-POX124 onto substrate and spread. Work down with spike roller to guarantee thickness and remove entrapped air.

B) Apply LEYCO®-POX124 self-levelling mortar by level indicator and/or by roller and squeegee to ensure uniform thickness and remove entrapped air.

1.1 Preparation of surface - as described above. Do not apply coating unless concrete has cured for at least 28 days.

1.2 Prime with LEYCO®-POX101, approx. 200-400 g/m<sup>2</sup>, acc. to quality of surface.

1.3 In the event of irregular surfaces, apply LEYCO®-POX124, quartz sand 0.1-0.3 mm and thickener on non-cured primer coating. 1 part by weight LEYCO®-POX124 : 0.5 part by weight quartz sand 0.1- 0.2 part by weight thickener.

1.4 Apply top coat 24 hours after priming.

A) Apply by trowel in desired thickness.

B) Mix with sand in ratio 1 kg LEYCO®-POX124 and 0.5 kg quartz sand.

### 2.0 Coating of steel, iron and aluminium

2.1 Surface preparation - see above. Preferably clean by sandblasting to a "chemical grade finish".

2.2 Prime with LEYCO®-POX111.

Consumption: 200 - 250 g/m<sup>2</sup>.

2.3 Apply 2 - 3 top coats until absolutely smooth surface is achieved.

Consumption 250 - 300 g/m<sup>2</sup>/coat.

### Cleaning

Tools and equipment should be cleaned with LEYCO-CLEANER+THINNER immediately after use.

## Safety Instructions

### Safety precautions

Gloves, barrier cream or protective clothing should be used. Prolonged skin contact may cause irritation. If accidentally splashed into eyes, flush with plenty of water and seek medical attention immediately.

### Legal notes

Whilst information and/or specification contained herein is to the best of our knowledge true and accurate, and is based on many years experience, we cannot accept any liability either directly or indirectly arising from the use of our products, whether or not in accordance with any advice, specification or recommendation given by us, as we have no direct or continuous control over how or where our products are applied.

**LEYDE-PRODUCTS** are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale. 01.09.2009