

# LEYCO®-POX101

## SOLVENT-FREE EPOXY PRIMER AND SURFACE HARDENER

### Product Description

LEYCO®-POX101 is a 100% solid, 2-comp. low-viscosity solvent-free clear or pigmented product, based on modified epoxy resins with excellent adhesion to cementitious and other surfaces.

### Uses

- **As a clear or pigmented impregnation** and sealing coat, for cementitious floors to provide a dust-proof and easy-to-clean surface, with resistance to penetration of oils, liquids and most chemicals in workshops, warehouses, garages, stairs, corridors etc.
- As primer penetrating sealer and bonding agent on: concrete, mortar, stone, cement renderings, timber, aluminium, zinc, brass, steel, iron and asphalt.
- **As bonding agent** for epoxy mortar screeds and epoxy self-levelling floor topping and for preparation of free-flowing non-shrink grout.

### Advantages

- **Good abrasion resistance.**
- **Excellent penetration**
- **Easy to overcoat**
- **High mechanical strength.**
- **Can be used at low and high temperatures.**
- **Can be applied to dry or damp surfaces.**
- **Excellent bond to concrete, metal, glass etc.**
- **Simple batching by weight or volume.**

### Technical Data

#### General Information

Pot life Rili-DAS <sub>t</sub> Tt 40 °C	
at 10 °C	60 min.
at 23 °C	25 min.
at 30 °C	15 min.
Min. temp. for application	8 °C
Max. time between coats	at 23 °C 0-24 hrs
Light traffic use after	at 23 °C 24 hrs
Full traffic use after	at 23 °C 7 days
Water absorption DIN 53 495	-3L-23 °C -21d 1,3 %
Linear shrinkage Rili-DAS <sub>t</sub>	1,57 mm/m
Shore-hardness DIN 53 505	82 D
Tensile strength DIN 53 455	36,5 Mpa
Flexural strength DIN 53 455	9,0 %
E-Modulus DIN 53 547	2000 Mpa
Tensile strength DIN 53 452	67 Mpa
Compres. strength DIN 1 048	90 Mpa

#### LeycoChem LEYDE-Iraq

Tel.: 0750-4344200, Tel.:0770-8748222, Tel.:0781-3802151  
 Email: sales.leycochem.iraq@leyde.com  
[www.leyde.com](http://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: 30.101

### Density (at 23 °C)

1,08 g/ml (DIN 51 757)

### Mixing ratio

A:B = 7:3 (by weight)

A:B = 2:1 (by volume)

### Storage/Shelf life

Dry and cool

### Viscosity (at 23 °C)

4 mm 36 sec.

## Application

- As a clear or pigmented impregnation and sealing coat, for cementitious floors to provide a dust-proof and easy-to-clean surface, with resistance to penetration of oils, liquids and most chemicals in workshops, warehouses, garages, stairs, corridors etc.
- As primer penetrating sealer and bonding agent on: concrete, mortar, stone, cement renderings, timber, aluminium, zinc, brass, steel, iron and asphalt.
- As bonding agent for epoxy mortar screeds and epoxy self-levelling floor topping and for preparation of free-flowing non-shrink grout.

### PREPARATION

LEYCO®-POX101 can be supplied with a special slow or fast curing hardener. To obtain anti-skid surface, fine quartz sand (0.1-0.3mm) should be applied onto the non-cured LEYCO®-POX101 . Non-shrink self-levelling grout is produced by mixing 1 : 4 LEYCO®-POX101 : LEYCO-KS or sufficient quartz sand.

The entire contents of hardener (comp. b) should be poured into resin (comp. a) and the two components thoroughly mixed.

### Surface Conditions

The substrate must be firm, clean, dry and free from contamination.

### Method of application

LEYCO-POX 101 should be applied by brush or roller.

### Cleaning

LEYCO-CLEANER/THINNER

## 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