

# LEYCO®-POX 105

## EPOXY MORTAR RESIN

### Product Description

LEYCO®-POX105 is a low viscosity flexible two-component epoxy resin system with formulated amine hardener.

### Uses

LEYCO®-POX105 is a mortar resin which has been formulated especially for formulation of epoxy screeds, repairing mortar and adhesive mortar. LEYCO-POX 105 is especially suitable to produce highly wear-resistant, anti-skid, de-icing, salt-resistant coatings, directly on concrete surfaces, exposed to traffic, e.g. roadways, factory floors, garages, refineries, airports etc. LEYCO®-POX 105 is used, as tough elastic coating with high abrasion resistance.

### Advantages

- High abrasion resistance
- Protects from carbonation
- Economical - can be mixed with up to 20 parts of mineral aggregates
- Tough elastic
- Good chemical resistance

### Technical Data

Mixing ratio:	By Weight	A:B = 3:1
Viscosity	8mm	36 sec. (at 23°C)
Density		1,08 g/cm <sup>3</sup> (at 23°C)
Pot life	at 10 °C	90 min.
	at 23 °C	45 min.
	at 30 °C	20 min.
Min. temp. for application		8 °C
Max. time between coats		0-24 hrs (at 23°C)
Light traffic use after		24 hrs (at 23°C)
Full traffic use after		7 days (at 23°C)
Water absorption	DIN 53 495	
	-3L-23 °C-21d	0-1 %
Linear shrinkage	Rili-DASt	0,92 mm/m
Shore-hardness	DIN 53 505	88 D
Tensile strength	DIN 53 455	35 Mpa
Flexural strength	DIN 53455	1,2 %
E-Modulus	DIN 53 457	5000 Mpa
Tensile strength	DIN 53 452	71 Mpa
Compres. Strength	DIN 1 048	122 Mpa

### Storage/Shelf life

The ideal condition is a cool and dry store.

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## Product Data Sheet

Product No: 30.105

### Application

#### Surface Conditions

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.

#### Mixing

The entire contents of the hardener (comp. B) should be poured into the resin (comp. A) and the two components thoroughly mixed. Reduce wastage by not making up more than can comfortably be applied within the pot life.

#### Method of application

To produce flow mortar up to 5 mm thickness LEYCO®-POX105 is mixed as follows:

- 1 part by weight LEYCO-POX 105
- 1 part by weight quartz sand 0.1 - 0.3 mm
- 1.5 part by weight quartz sand 0.7 - 1.2 mm

#### Consumption

500g/m<sup>2</sup>/mm LEYCO-POX 105.

#### Cleaning

Tools and equipment should be cleaned with LEYCO-CLEANER 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