

# LEYCO®-POX 130

## INDUSTRIAL FLOORING SYSTEM HIGH-BUILT, CHEMICAL AND WEAR RESISTANT

### Product Description

LEYCO®-POX130 is a two-component solvent-free epoxy based self-smoothing system which is formulated with quartz sand to give extremely high resistance to chemicals, wear and mechanical attack.

Ideally suited to areas exposed to spillage such as floors in handling, process and treatment areas.

### Uses

To provide hard-wearing and chemical-resistant easy to clean coatings for floors. To provide a protective coating with thick coat build-up and exceptional resistance to solvents and acids. It cures to a film with very good resistance to a wide range of mineral and organic acids, alkalis, greases and oils for protection of concrete and steel.

### Advantages

- Outstanding chemical resistance
- Equally effective on concrete or metal
- Excellent adhesion
- Tough abrasion-resistant
- Very good resistance to mechanical attack
- Impervious

### Technical Data

#### Chemical resistance

Caustic soda:	50 %	no attack
Citric acid:	50 %	no attack
Detergents:		no attack
Oils and minerals:		no attack
Petrol:		no attack
Hydrochloric acid:	30 %	no attack
Fatty acid:		no attack
Lactic acid:	10 %	no attack
Sulphuric acid:	5-80 %	no attack
Water:		no attack

#### Temp. resistance

Temporarily:	up to 150 °C
Constantly dry:	up to 100 °C
Wet:	up to 80 °C

Density:	at 23 °C	1.6 kg/lit
Pot life:	at 10 °C	30-40 min
	at 23 °C	15-20 min
	at 30 °C	5-10 min

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## Product Data Sheet

Product No: 30.130

<b>Min. curing temp.:</b>	10 °C
<b>Max. curing temp.:</b>	30 °C
<b>Foot traffic:</b>	24 hours
<b>Finally cured:</b>	7 days
<b>Compressive strength:</b>	100 N/mm <sup>2</sup>
<b>Flexural strength:</b>	40 N/mm <sup>2</sup>
<b>Elongation at break:</b>	approx. 2,5% as per DIN 53455
<b>Adh. Strength:</b>	concrete failure (on concrete after, variable temperature storage)
<b>Impact resistance:</b>	excellent
<b>Abrasion resistance:</b>	excellent

**Storage / Shelf life:** The ideal condition is a cool and dry store. 12 month in sealed containers.

## 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. Uneven floors (exceeding 0,5 mm) must be levelled up with a scraping mortal of LEYCO®-POX101 with sand.

### Priming

Concrete substrates are primed with LEYCO®-POX101 which should worked well into the substrate using brush or lamb-skin roller to avoid any pin holing or misses.

If the maximum curing time is to be exceeded quartz sand 0,1-0,3 mm or 0,4-0,7 mm should be scattered onto the still wet surface. Surplus sand is removed prior to proceeding.

### Method of application

LEYCO®-POX130 is supplied in two-components and pre packed in containers with the correct mixing proportions. Electric stirred should be used (300-400 rpm).

Mix the two-component thoroughly and blend with dry silica sand 0,1-0,3 mm at the ratio of 0,5 kg sand to each kg of LEYCO®-POX130.

Apply the mortar by trowel and spike roller within 20 min. in two directions to remove entrapped air.

### Depending on the finish required use the following methods:

- **For matt finish:** blind the surface with Plastorit or any matting agent
- **For slip resistance:** use silica sand according to the desired texture and seal the surface by a roller coat of LEYCO®-POX130 without sand at a rate of min. 0,3 kg/m<sup>2</sup>.
- **For ramps, sloping surfaces and up stands:** use 2-4 % of Aerosol as required.

### Coverage

**Priming coat:** LEYCO®-POX101 approx. 0,3-0,4 kg/m<sup>2</sup> depending on absorption of substrate.

**Scattering:** with sand if required approx. 1,2 kg/m<sup>2</sup>

**Wearing layer:** Min. thickness 2 mm. The density of LEYCO®-POX130 blended with silica sand is 1,6 kg. The consumption of mortar is 1,6 kg/m<sup>2</sup>/mm. The density of LEYCO®-POX130 (binder) is 1,2 kg/m<sup>2</sup>/mm.

### 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

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