

LEYCO®-POX128

SMOOTH OR TEXTURED FLOOR COATING FOR NON-ABSORBENT NEW OR EXISTING SUBSTRATE

Product Description

LEYCO®-POX128 is a solvent-free, coloured two-component epoxy resin floor coating.

Uses

LEYCO®-POX128 is a two-component epoxy resin floor coating system to be used in workshops, industrial plants, garages, power and gas stations, oil industry, chemical plants, meat- and food-processing plants, distilleries, dairies, textile factories, cold stores, exhibition areas, gangways and taxiways etc. LEYCO®-POX128 is used where good mechanical and chemical resistance and fast installation of floors are required. LEYCO®-POX128 is also available for anti-static and conductive applications as LEYCO®-POX123.

Advantages

- Solvent-free - no spec. ventilation required
- Complete system - high early strength
- Decorative appearance
- Textured surface, easy to clean, anti-slip
- Non-toxic -fulfils requirement of food industry
- Very good chemical resistance
- High wear resistance
- Uniform surface, easy to maintain

Properties

LEYCO®-POX128 is a smooth or textured non-slip, easy-to-clean, decorative floor coating system for cementitious or metallic substrates to provide a surface with very good resistance to mechanical stress, traffic and chemical attack. LEYCO®-POX128 is resistant to water, sewage, seawater, salt solutions, lye's, mineral oils and aliphatic hydrocarbons. The product is weatherproof and has no tendency to "yellow" by aging or when exposed to UV-radiation. Not affected by constant or changing temperatures ranging from -30 °C to +90 °C (dry heat). For short periods, it accepts by 30 °C higher temperatures, and can be treated by steam-cleaning process.

Technical Data

Mixing ratio:	A:B = 9:2 (by weight)
Viscosity at 23 °C	
DIN beaker (8mm)	ca. 50 sec.
Density	1,45 g/cm ³ (at 23 °C)
Pot life at	1 hours
at 10 °C	
at 23 °C	0.5 hours
at 30 °C	0.25 hours
Minimum curing temp.	10 °C

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Product Data Sheet

Product No: 30.128

Curing times (at 23 °C)

Tack-free	hours	5
Re coat able	hours	8-24
Accessible	hours	24
Final curing	days	7
Volume shrinkage	%	3
Linear shrinkage	%	0.2
Compressive strength	N/mm ²	ca. 40
Flexural strength	N/mm ²	ca. 35
E-modulus (DIN 53455)	N/mm ²	750
Coefficient of thermal expansion	at -20/+40 °C	10 ⁻⁶ k110
Shore D hardness		80

Bond strength on concrete:

After variable temperature storage concrete failure.

Test report available on request.

Chemical resistance

The short-term resistance is far higher than shown below. The following results have been obtained after 1 year at 20 °C. Test bodies were primed with LEYCO®-POX101 and coated with two layers of LEYCO®-POX128.

Acids

Hydrochloric acid	up to 20 %	x
Nitric acid	up to 10 %	x
Sulphuric acid	up to 20 %	x
Phosphoric acid	up to 20 %	x

Aqueous solutions

Phenol	up to 1 %	x
Glauber salt		x
Magnesium chloride		x
Fatty alkyd sulphate		x
Water		x

Lyes

Sodium hydroxide solution	up to 50 %	x
Potassium hydroxide solution	up to 50 %	x

Solvents

Petrol		x
Kerosene JP 1		x
Methanol		xo
Ethanol	up to 96 %	xo
Methyl ethyl keton		xo
Ethyl glycol acetate		xo
Benzol		xo
Toluol		xo
Xylol		xo
Chem. defrosting agents (IPA:glycol = 2:1)		x

x = resistant to prolonged contact

xo = colour change and/or blistering; temporarily resistant.

For information on resistance to other media, please consult our technical department.

Storage/Shelf life

Cool and dry

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.

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 be comfortably applied within the pot life.

Method of application

LEYCO®-POX 128 is applied on the primer coat. Humidity shall not exceed 75 % at 10 °C or 85 % at 23 °C. The primer LEYCO®-POX104 is applied by roller.

The first coat of LLEYCO®-POX128 is applied by roller or rubber squeegee at the rate of 0.5 kg/m².

Examples of application

- 1.0 Application of textured coating to existing new or old epoxy resin coating and/or non-absorbent, smooth and sound cementitious substrate
- 1.1 Prepare substrate as described above
- 1.2 Prime with LEYCO®-POX104 at the rate of 200 - 250 g/m²
- 1.3 After curing of primer, apply LEYCO®-POX128 by roller or squeegee at the rate of 0.5 kg/m².
- 1.4 Approx. 1 day after curing of previous coat, apply final textured coat at the rate of max. 0.5 kg/m² by roller in circular voids.

Important Note

Using more than 0.5 kg/m² endangers the expected result of textured surface.

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 these 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.

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