

LEYCO[®]-POX 621

VAPOUR PERMEABLE, WATER BORN SELF-LEVELLING EPOXY SYSTEM

Product Description

LEYCO[®]-POX 621 is a 2-component water born, pigmented, self-levelling floor coating based on epoxy resins.

Uses

A) As free-flowing self-levelling pigmented floor coating system for cementitious or metallic substrates, to provide a surface with very good resistance to mechanical stress and chemical attack. The coating resists penetration of oils, solvents, liquids and most chemicals.

B) As a two-component water-based pigmented self-levelling mortar screed, based on LEYCO[®]-POX 621 epoxy system to form a dense, non-slip, abrasion-resistant self-levelling floor surfacing up to 5 and more mm thickness for workshops and production areas. Particularly suitable in „wet“ processing areas, e.g. food industry, beverage industry, bottling plants, dairies, meat processing plants, garages.

Advantages

- Water vapour permeable
- Contains no solvents /VOC
- No odour when used in food processing plants
- Goo resistance to chemical
- Can be applied in one process up to 5 mm
- Economical because of self-levelling
- Cures at low temperature

Technical Data

Min. temp. for application:	8 °C
Max. time between coats (at 23 °C):	8-24 hrs
Light traffic use after (at 23 °C):	24 hrs
Full traffic use after (at 23 °C):	7 days
Shore D 20 °C, 65 % rh:	1 day 60 , 3 days 70 , 7 days 78 , 14 days 80

Physical and mechanical properties

Many test have been carried out for the application in various types of projects and surfaces. The results are outstanding and the easy application of this product is superior to others.

1. Easy and safe application, especially for in-door application
2. Excellent mechanical properties, high compressive, tensile and flexural strengths
3. Cures at low temperatures
4. Outstanding chemical and wear resistance
5. No shrinkage because of no solvent content
6. Water vapour permeable
7. Scanning by electronic microscopy – show a very homogeny polymeric structure

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Product Data Sheet

Product No: 30.621

Chemical resistance

LEYCO®-POX 621 has good resistance to water and solvents such as toluene, dichloromethane, ethanol, acids and alkaline.

Density(at 23 °C)
(DIN 51 757)

Mixing ratio (by weight)
A:B = 10 : 1

Pot life
Depending on temperature, 30 to 60 minutes

Application

The entire contents of Hardener (Comp. B) should be poured into Resin (Comp. A) and the two components thoroughly mixed. Mechanical mixing is recommended.

All tools, as well as the mixer must be clean and dry. Stir the hardener/resin mixture until a uniform colour is obtained (at least 2 minutes). The resin mixture should then be placed in separate container, preferably in plastic buckets and all the filler gradually poured until the compound is homogen and a uniform consistency is visibly obtained.

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

Surface Condition

The substrate must be firm, clean and concrete age should be 10 days

Method of application

Apply by trowel or spatula max. thickness is 5 mm on horizontal On damp surfaces make sure that the compound is well rubbed to substrate

Dosage

Pour the entire contents of the hardener (comp. b) into the resin (comp. a) and mix thoroughly. Reduce wastage by not making up more material than can be comfortably applied within the pot-life. Mix both components together (min. 2) minutes with slow speed mixer (max. 600 rpm).

With higher temperatures the pot life is shortened and when working at very low temperatures pot life is longer and application becomes more difficult because of higher viscosity.

Cleaning

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

Important Note

LEYCO®-POX 621W is manufactured according to MIB-R specifications.

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.

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