

LEYCO[®]-POX 145

EPOXY RESIN NON-SHRINK GROUT AVAILABLE AS SLOW-AND FAST CURING TYPES

Product Description

LEYCO[®]-POX145 is a solvent-free 3-component pourable grout based on high strength modified epoxy resin with blended hardeners and selected fillers. The adhesion to steel and concrete is excellent. Pull out tests using steel bars embedded in the grout resulted in consistent failure of the steel. Bond to prepared concrete is greater than the strength of concrete. Excellent chemical and weathering resistance.

Uses

LEYCO[®]-POX145 is a very high strength non-shrink pourable system consisting of three components.

For the precision grouting of heavy duty rails, machine base plates, dowel bars, studs, anchors, bolts, crane-rail tracks, bridge bearing plates, anchoring of steel reinforcement and girders. Also for bonding concrete and concrete to steel.

Advantages

Available in two grades of reactivity according to climatic condition - normal or long pot life.

- Solvent free.
- Self-flowing and compacting.
- Slow or rapid hardening acc. to grade used.
- Non-shrink.
- Can be applied to dry or damp surfaces.
- Excellent bonding.
- High mechanical strength.
- Though vibration resistant.

Technical Data

General Information

Comp. strength:	80-90 N/mm ²
Tensile bond strength:	50 N/mm ²
Min. temp. for application:	15 °C
Max. time between coats:	at 23 °C, 0-24 hrs
Light traffic use after:	at 23 °C, 48 hrs
Full traffic use after:	at 23 °C, 10 days
Water absorption (DIN 53 495):	3L-23 °C - 21d 1,3%

Appearance/Colour

grey

Density (at 23 °C)

1,08 g/cm³

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Product Data Sheet

Product No: 30.145

Mixing ratio (by weight)

A : B : C 3,5 : 1,5 : 25

Stock life

NC-Type:

10 °C 80 min.

20 °C 40 min.

30 °C 20 min.

LC-Type:

20 °C 120 min

30 °C 60 min

40 °C 40 min

Storage/Shelf life

Dry and cool

Application

Dosage

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 blended in until it has all thoroughly wetted out and a uniform consistency obtained.

Slowly add the measured amount of LEYCO®-POX145 component C while continuously mixing.

Surface Condition

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, preferably by dry sandblasting.

Surface Condition

The substrate must be firm, clean, dry. age of concrete: > 3 weeks

Method of application

To large volumes apply more than one layer ensuring that the previous layers have hardened and cured. When grouting under bearing plates, ensure sufficient pressure to maintain flow of grout. Allow air to escape.

Cleaning

LEYCO-CLEANER/THINNER

Important Note

Never add water, Portland cement or any other additive or adulterant to LEYCO®-POX145 components or mixes.

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.

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