

CAT. NO. SLT-02-2212

POXITHANE 6000

Heavy Duty Epoxy – Urethane Joint Sealant

POXITHANE 6000 is a pourable, flexible, two component sealant consisting of a blend of epoxy and urethane polymers and amine-type hardener.

POXITHANE 6000 is designed for use in control and construction joints in industrial concrete floors subject to severe mechanical strain and abuse. It combines excellent hardness with good flexibility resulting in a permanent, maintenance-free installation. It helps support the joint edges and reduces spalls of the edges caused by heavy wheel traffic such as found in warehouse floors, factories, and maintenance floors.

APPLICATION

POXITHANE 6000 is used to seal and protect control, contraction, or construction joints for interior or exterior floor slabs or pavements subject to moderate movement. It can also be used as a floating layer in crack-spanning coatings.

ADVANTAGES

- Flexible-can accommodate movement up to 8%
- Self-leveling and pourable.
- Excellent resistance to dilute acids, alkalies, mineral oils, aliphatic hydrocarbons, sewage and sea water.
- Excellent adhesion even without primer.
- Can be used in wide joints.
- Wide range of service temperature from -30 to +80° C.
- Extremely tough and resilient. Can withstand heavy wheel loadings.
- Fast curing time. Loadable after 24 hours.

SPECIFICATION

POXITHANE 6000 conforms with the requirements of BS EN ISO 11600-2003, Type F, Class 7.5

TYPICAL PROPERTIES

- Adhesion / Cohesion at variable temperatures : No adhesion/ Cohesion failure
BS EN ISO 9047: 2001
- Elastic Recovery BS EN ISO 7389:2003, % : >70
- Modulus of Elasticity BS EN ISO 8339 : 2005, Mpa : > 1.0
- Elongation at break BS EN ISO 8339 : 2005 : > 80
- Movement recommendation factor : 8 +/- 2%
- Working time at 45/35/25 Celsius : 25/40/70 minutes

JOINT DESIGN

Joints should be designed such that the movement accommodation factor is not exceeded. Do not install sealant on new concrete less than 28 days old. It is good practice to install sealant until the final stages of construction.

DIRECTION FOR USE

SURFACE PREPARATION

Joint surfaces must be structurally sound, clean, dry and free from dust, oil, grease, curing compounds and other loose debris. Surface should be fairly rough. For joints in new concrete, wire brushing followed by compressed, oil-free air will suffice. For joints in old concrete, old fillers & sealant should be routed out and removed. If necessary, enlarge joint width and cut down to form a T-shape cross section. All residual dust should be blown by compressed air.

JOINT BACKING

Use a closed cell foam backing strip or debonding tape when the former is not employed. To obtain neat, straight-edged seals, use masking tape on the joint edges.

PRIMING

Priming is not normally required but highly recommended especially for old concrete joints and under submerged conditions. Use ISOPRIME 19 applied on both faces of the prepared joint surface, and allow to stand for least 20 minutes prior to installing **POXITHANE 6000**. Do not apply sealant on hardened primer.

INSTALLATION

The part B hardener is added to part A base and mixed thoroughly with electric drill fitted with a prop running at low RPM for 3 minutes. After mixing, **POXITHANE 6000** is poured into the joint onto the still-tacky primer. Allow to cure for 24 hours.

CLEANING

Uncured **POXITHANE 6000** can be cleaned off with ISOKLEEN.

PACKING

POXITHANE 6000 is packed in 4 liter kit parts A and B.

STORAGE

One-year shelf life in original packing at 25⁰ C stored in a dry place.

COLOR

Available in standard grey color. Other color can be made depending on quantity.

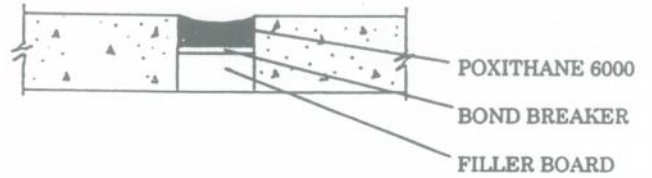
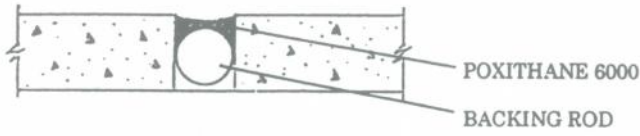
HEALTH/ SAFETY

All chemicals should be handled and used with caution. Users are advised to wear protective coveralls, eye goggles, and rubber hand gloves. **POXITHANE 6000** may cause skin irritation to some sensitive persons. Accidental splashes to the skin should be immediately washed with water and soap. Accidental splashes to the eyes should be immediately flushed with water and medical attention sought.

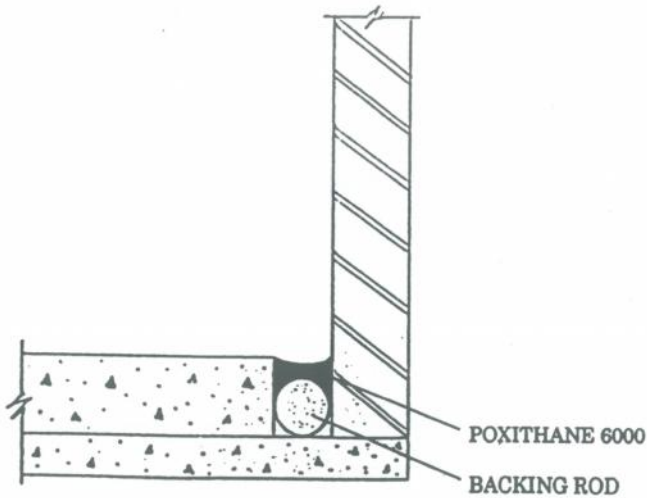
PRIMER COVERAGE

One liter of ISOPRIME 19 will approximately cover 193 lineal meters per 12mm depth of double face joint.

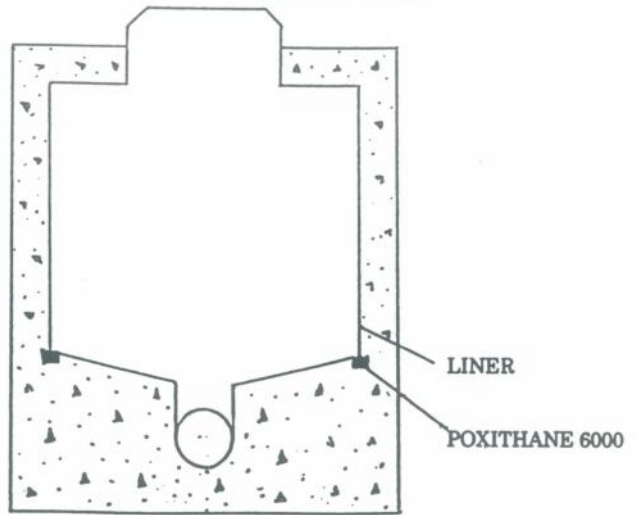
JOINTS SUBJECTED TO HEAVY DUTY TRAFFIC IN INDUSTRIAL FLOOR



**ISOLATION JOINTS
(FLOOR-WALL OR FLOOR-COLUMN JUNCTION)**



**ANNULAR JOINTS IN SEWERAGE
CHAMBER**



Revised on 10.01.2023

Technical information, data are to be considered as typical values and not sales specification. Actual measured values may vary due to factors beyond our control. Indications concerning function and application of the products are empirical. Although the information is believed to be accurate, there is no warranty by ISOLA. None of the recommendations becomes part of the warranted quality of the products. Due to the fact that the conditions of individual use are beyond ISOLA's direct and continuous control, ISOLA disclaims all responsibility in connection with the use of its products and does not warrant against any loss direct or consequential.

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