

POLY SEALANT PB

Two component Polyurethane modified with Tar, joint sealing compound Cold Applied
Fuel Resistant, Permanent Elastic, For Horizontal Joints

PRODUCT COMPOSITION

POLY SEALANT PB Is a two part, solvent free joint sealant based on a modified elastic resin - tar combination is permanently elastic and suitable for sealing horizontal joints **which** are subjected to continuous expansion and contraction, in concrete and steel structures moisture curing, fast skinning polyurethane sealant.

TYPICAL APPLICATIONS

POLY SEALANT PB Is suitable for use in tropical conditions and largely resistant to water, sea water, petrol, exhaust gases, mineral and vegetable oils and fats as well as alkalis, acids and other chemicals.

Is suitable for joints which are subjected to load - bearing condition involving wear compaction sealing of horizontal joints in concrete roads, runways, refinery and other industrial floors etc.

Grouting of pipe sleeves or where pipes pass through the construction.

POLY SEALANT PB is capable of + 100% / - 50% movement when correctly installed into a properly prepared joint.

Limitations

Do not apply over damp or contaminated surfaces.
Use with adequate ventilation.

Colors

Black

Standards

Conforms to U.S. Federal Specification TT-S-00230C Type II, Class A and ASTM C920-94, Type S Grade NS, Class 25.

Installation

Joint Design & Dimensions

Used in horizontal joint designed in accordance with accepted architectural engineering practice. Joint width should be 4 times anticipated movement, but not less than 1; 4 inch (6.4 mm.) wide.

For joints 1; 4 inch (6.4 mm.) to 1/2 inch (12.7 mm.) wide, the width to depth ratio should be equal. Joints 1/2 inch (12.7mm.) wide or greater should have a sealant depth of 1/2 inch (12.7 mm.). Minimum joint size is 1, 4 inch by 1;4 inch (6.4 mm. by 6.4 mm).

Surface Preparation

For good adhesion, the joint interface must be sound, clean, and dry. Depending on the substrates, or presence of form release agents, masonry waterproofing, dust, loose mortar or laitance, architectural paints or finishes, the joint surfaces may require a thorough wire brushing, grinding, sandblasting, solvent washing and /or primer.

Closed cell polyethylene, reticulated foam and some open cell polyethylene rods may be used as joint backing to control depth of sealant bead. Where depth of joint will prevent use of joint backing, an adhesive backed polyethylene tape must be installed to prevent three sided adhesion. Joint backing must be dry at time of sealant application

Application

POLY SEALANT PB is easy to apply with conventional caulking equipment.

Fill joint completely and tool At 75°F (24°C), 50% R.H.

A durable skin forms within 24 hours. Curing continues at

the rate of 1/16 inch (1.6 mm) depth per day. The cure rate may be slightly reduced at lower temperatures and less humidity.

Tooling & Cleaning

Tooling is recommended immediately after application to insure firm, intimate contact with the joint interface. Dry tooling is preferred. Excess sealant and smears adjacent to the joint can be removed with Xylol or Toledo before sealant cures (use masking tape when appropriate).

Packaging

5.00 kg. Pails

STORAGE

POLY SEALANT PB should be stored at room temperature in dry warehouse.

SHELF LIFE

One year.

TECHNICAL DATA

Consistency

Pour able self - levelling

Base

Tar pitch polyurethane resin

Solid content

100 %

Density (at 25° C)

1.66 ±0.04 kg/ L

Pot life (at 25° C)

90 minutes. (Decreases in higher temp)

Initial setting time (at 25° C)

24 hours

Hardening time (at 25°C)

4 days 200 % 20 - 25 ASTM D

Elongation break

1850 74/79, US federal spec

Hardness (shore A)

SS-S 200D, ESS 819/66

Standard specification

KEMSOLVE 44 (< 10 %)

Thinner

According the required consistency

Guarantee / Warranty

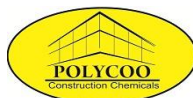
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TECHNICAL SERVICES

For any further technical advice and recommendation for the use of all **POLYCOO** products, please consult the nearest **POLYCOO** technical office.



Under technical collaboration with

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