

# POLY SEALANT P SL

A Polyurethane sealant, pouring grades and self leveling  
High performance trafficable joint sealant, elastomeric

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## PRODUCT COMPOSITION

**POLY SEALANT P SL** is a two component high performance joint sealant formulated from a **Polycoo**, polyurethane sealant available in pouring grades for use in horizontal joints. Adhesion is excellent to most common building substrates.

## TYPICAL APPLICATIONS

**POLY SEALANT P SL** is designed to be used in trafficable expansion and other joints car park decks, car wash areas, aircraft hangers, garages, chemical factories, plaza areas, terraces, warehouse floors, power station, food processing units, pavements and other areas subject to foot and vehicular traffic **POLY SEALANT P SL** is NOT recommended for Areas of constant spillage from harsh chemicals (strong acids)

## JOINT DESIGN REQUIREMENTS

Design of joints for **POLY SEALANT P SL** should be a minimum of 5 times the total anticipated joint movement, Minimum joint width should be 4mm to allow for adequate cleaning and priming. Maximum joint depth 15 mm and Minimum joint depth 10 mm. Depth/width ratio up to 15 mm should 1:1, Maximum joint width unlimited. Joints of 300mm + wide have been successfully filled with **POLY SEALANT P SL**. A cover plate and/or support plate may be necessary depending upon traffic intensity and type.

## White Base :

Allows light architectural colours to be made without the addition of large amounts of fillers and pigments, thus retaining the benefits of high polymer content.

## Low Modulus :

Poly sealant P SL is a low modulus polyurethane sealant thereby Reducing bond line stresses during extension and improving joint life.

## Wide Movement Accommodation:

**POLY SEALANT P SL** is capable of continuous performance between plus and minus 50% of the original installed joint width.

## High Abrasion Resistance:

Formulated specifically for trafficable joints **POLY SEALANT P SL** exhibits a high shore A figure whilst maintaining good flexibility.

## Exceptional Weathering:

**POLY SEALANT P SL** is proven in all climatic extremes throughout the world.

## Standards:

- Meets US Fed Spec TT-S-00227E Type I Class A
- BS 4254 - 83
- BS 5212 - 90
- Meets ASTM C920-1979 Type M Class 25 Grade P Use T:M:O
- Meets US Fed Spec TT- S- 200D Fuel Resistant Type H.

## Typical properties

|                      |   |                              |
|----------------------|---|------------------------------|
| Solid content %      | : | < 99%                        |
| Viscosity            | : | thixotropic paste            |
| Tack free at 20° c   | : | 24 hours                     |
| Staining             | : | none                         |
| Resistance to ozone  | : | non-crack                    |
| Hardness shore A     | : | 25                           |
| Recommended movement | : | transverse + or - 50% M.A.F. |

## COLOURS

Grey, Black, Brick red, Light gray

## INSTALLATION

Application should be in accordance with the BASA/CIRIA publication (Manual of Good Practice in Sealant Application).

**POLY SEALANT P SL** should not be applied at temperatures below 5 ° C unless special care is taken. (Consult **POLYCOO** Technical Services Department)

### Preparation

Joint interfaces must be clean, dry and free from substances likely to impair adhesion, Loose Friable material should be removed and arrases made good. It is recommended that grinding or sand blasting prior to priming should prepare joint faces. Or sand blasting prior to priming.

### PRIMING :

For applications to concrete, use one coat of **POLY SEALANT PRIMER**. Install **POLY SEALANT P** whilst primer is tacky. See can label for application instructions.

### Joint Backing

An approved joint backing material must be installed prior to priming. This will:

- 1- Prevent adhesion to the bottom face of the joint pocket .
- 2- Provide a firm base for tooling the sealant
- 3- Control the depth of the sealant.

Approved types are : closed cell polyethylene.

It is essential that joint backing is installed at 25-30% compression to maintain location whilst sealant is applied. Tape together continuation end of joint backing when using **POLY SEALANT P SL**.

### APPLICATION:

**POLY SEALANT P** should be mixed. Minimum mixing time is 8 minutes with a slow speed drill (300-500 r.p.m.) and **POLY SEALANT P** approved paddle. Apply **POLY SEALANT P** from suitable spouted container allowing time for sealant to completely fill joint pocket to designed level. **POLYCOO** recommend 2 to 3mm below floor level. Allow sealant to get slightly before tooling to ensure continuous contact with the joint interfaces.

### TECHNICAL SERVICES

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

### Package

**POLY SEALANT P SL** is supplied in 5 Kg, tow component packs. And **POLY SEALANT PRIMER** is supplied in 1.5 Kg



Under technical collaboration with

**Polycoo Industries Ltd.**

Sole distributor in Egypt: Polycoo Company

[www.polycoo.com](http://www.polycoo.com)

5 Kamel Sedki Street, Ramsis Square, Cairo, Egypt

Sales Tel.: ++202-5918653/++2025918053/++20-122-3102700 Fax: ++202-5918053