

# ServiSeal (PS 40P PU) Concrete Sealant

## POLYURETHANE JOINT SEALANT

**ServiSeal (PS 40P PU)** is a low modulus one component polyurethane sealant which cures by moisture to an elastic and tough sealant. It is highly resilient and has excellent recovery characteristics. It can function under wide range of temperatures.

### DESCRIPTION:

**Composition** Polyurethane based joint sealant.

### BASIC USES

For sealing movement joints in precast concrete construction, balcony parapets, bridge culverts, retaining walls etc., For caulking of joints around windows, doors, skirting, wall/floor joints and shutter housings.

### ADVANTAGES

- Easy to use, being one component system.
- Excellent adhesion to different construction materials.
- Excellent resistance to different chemicals and microorganisms.
- Excellent weathering and aging properties.
- Can be over painted after curing.
- Remains elastic even in cold weather

### STANDARDS

The product complies with ASTM C 920. U.S Federal specification TT-S-00230 Type II Class A. BS 4254-1983 and BS 5889 1989 Type A.

### THECHNICAL DATA

Hardness	25 ±5 ASTM D 2240, DIN 53505 ISO
Service Temperature	-40OC up to 90OC, Shock 120OC
Application Temperature	5OC up to 40OC
Sag Resistance	Excellent (DIN EN 27390)
Tack Free Time	1-2 hrs @25OC & 55% RH
Cure Rate	Approx. 2-3 mm/day
Elongation at break	>500%, DIN 52455, ASTM D 412
Movement Accommodation Factor	Factor
Tensile Strength	DIN 52455 ASTM D412 @ 100% elongation 0.5 N/mm2 @ Break 1.3 N/mm2
Toxicity	No restriction as cured
Shelf Life	Shelf Life

### INSTALLATION:

**Surface Preparation:** All joints must be absolutely clean. For concrete, sandblasting is recommended. All curing compounds, old caulks, grease, waterproofing compounds etc., must be removed. For nonporous surfaces such as glass, metal etc., cleaning with M.E.K or Toluene is recommended. Polyurethane rod or Polyurethane foam is recommended as a joint filler and back-up material. Fillers treated with bituminous products, grease or oil should not be used. Where present they must be removed or separated by vinyl tape or polyethylene film. Porous surfaces shall be primed with **ServiSeal (PS 40P PU)**

**Application:** Apply by caulking gun, hand or pressure type Bulk sealant can be applied by pumping equipment. Press firmly into joint to assure good contact and finish with a trowel or putty knife.

**AVAILABILITY:** **ServiSeal (PS 40P PU)**: is supplied through building material dealers. Major contractors are supplied directly from Construction Material Chemical Industries.

**MAINTENANCE:** If **ServiSeal (PS 40P PU)**: is damaged, and the joint has not been contaminated, it can be repaired by cutting out that part and resealing it with **ServiSeal (PS 40P PU)**.

**COVERAGE:** Contact Giptec Tech Dept (contact information below).

**PACKAGING:** 600ml aluminum sausages.

**COLORS:** Dark Grey, White, Beige and other Colors available on request.

### Width of Joint:

	mm	6	9	12	15	18	22	25
DEPTH OF JOINT	6	17	11	8	7	6	5	4
	9	11	7	6	4.4	3.7	3	2.7
	12	8	6	4.2	3.3	2.8	2.3	2
	15	7	4.4	3.3	2.7	2.2	1.8	.....
	18	6	3.7	2.8	2.2	1.9	...	....
	22	5	3	2.3	1.8	...	...	...
	25	4	2.7	2	...	...	...	...

Liner meters per 600 ml sausage

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