

SealFLEX PU2000

ONE PART HIGH PERFORMANCE POLYURETHANE SEALANT

SEALFLEX PU2000 is a single pack, pourable, elastomeric PU sealant which effectively seals all joints subject to structural movement as well as non-moving joints against ingress of water and dirt. It is a non-slumping high performance, 100 % neutral cure sealant formulated with completely earth friendly system. It gives superior adhesion and durability in a wide range of glazing, weather sealing and trade applications. It has excellent resistance to weathering, UV radiations, vibration, moisture, ozone, temperature extremes, airborne pollutants, and many cleaning detergents and solvents.

USES

For sealing of vertical or horizontal concrete joints, precast concrete, horizontal traffic, civil structures, curtain-wall panels, pavements, factories, terraces. Also, for all joint seal applications where a short curing period is required, such as expansion and contraction joints in shopping centers, sidewalks or any other medium to heavy traffic areas. It will effectively prevent water from entering the sealed joints and thereby eliminate erosion of the soil underneath the slabs. All coping joints and deck joints should be sealed. It's resistant to chemicals.

FEATURES

- Outstanding durability
- Self leveling and pourable
- Neutral cure and Low oxime odor
- One part no mixing and Permanently flexible
- Excellent gun ability (-20°C to 50°C)
- jet fuel resistant
- Weather proof and Low shrinkage

SPECIFICATION (Confirmed ASTM C 920 / BS 5212 /ISO 7390 /ISO 8339)

Technical Properties	Test Standard	Typical Values
Construction		Elastomeric Polyurethane
Colour		Grey, White /RAL ref on MOQ
Specific gravity		1.4±0.2
Solid content	ASTM D2369	100 %
Tensile Strength	ASTM D 412	4 N/mm ²
Elongation	ASTM D 412	1000%
Shore Hardness	ASTM D2240	40 ~ 60
Adhesion	ASTM C794	120 N
Movement Accommodation	ASTM C 719	29 %
Application Temperature		5 °C to 45 °C
Cure time		24 h
Service Temperature	ASTM C 711	- 40° C to +90°C
Chemical Resistant	ASTM D 543	Excellent
Stain and Colour Change	ASTM C510	No colour change /No Stain
UV Resistant		Highly Stable
VOC content	ASTM D2369	≤ 50 g/l



engineered to perform

SPECIAL FEATURES

Highly Chemical resistant, Oil resistant and very stable to Oxon.

INSTALLATION

Joint Design:

Joints are designed such that the movement does not exceed %30 of the joint width.

JOINT WIDTH	DEPTH OF THE SEALANT
6mm to 12mm	6mm
12.5mm to 25mm	Width/2
Above 25mm	12.5mm

Surface preparation:

All joints must be absolutely clean. For concrete, sand blasting is recommended.

All curing compounds, grease, waterproofing compounds, etc. must be removed. Polyurethane rod or polyurethane foam is recommended as a joint-filler and backup material. Fillers treatment with bituminous products, grease or oil should not be used. Where present, they must be removed or separated by vinyl tape or polyethylene film.

Application: Apply by caulking gun. Sealant should be applied in a continuous operation using sufficient pressure to fill the joint and make complete contact to the joint sides. Tool the sealant slightly concave using solvent or dry-tooling techniques. Do not tool with soap or detergent and water solutions.

MAINTENANCE

If SEAL FLEX PU2000 is damaged, and the joint has not been contained, it can be repaired by cutting out that part and resealing it with SEAL FLEX PU2000.

PACKING SIZES:

600 ml single pack cartridges and 20 Litre Pails.

STORAGE

SEALFLEX PU2000 has a shelf life of twelve months from date of manufacture when stored in the original unopened container in dry, shaded conditions.

TECHNICAL SUPPORT

OBS representatives are available to assist you in selecting an appropriate product and to provide on-site application instructions or to conduct jobsite inspections. For further assistance contact ORGANIX tech.support.

HEALTH AND SAFETY

Wear protective clothing, gloves and goggles.

Skin:- Avoid repeated or prolonged contact, if contact occurs ,clean with hand cleaner that removes oil or grease , then clean with soap and water. Eyes :- Contact could cause irritation. If contact occurs, flush with clean water. Inhalation:-Can cause dizziness. Remove to fresh air and if breathing difficulty persists, administer oxygen.

