

## Single Part Polyurethane (PU) Sealant for Road Joints

### Description

This sealant is a single component polyurethane based sealant, it cures by reaction with atmospheric moisture to form a soft rubber like material with excellent elastic at low modulus. The high performance sealant is VOC free, non toxic, no pollutions, and easy to use.

### Features

- ♦ Excellent waterproof, sealing, elasticity, and adhesivity with cracks
- ♦ Superior elongation; resistant to tear, puncture, and abrasion
- ♦ Weathering resistance, self bonding, can be painted
- ♦ Mildew proof, resistant to oils, acids, alkali, and chemicals
- ♦ Odorless, eco-friendly, easy to use

### Uses

Suitable for joints in airport runways, bridges, seams on water pipes, roofs, and basements; and expansion and settlement joints, joints in pre-cast panels, external walling curtain, wall joints, skylights, vents, and other structural sealing for areas with structure movement.



### Technical Data

No	Item	Index
1	Color	Black, white, grey
2	Solid content, % ≥	99.5
3	Density, g/cm <sup>3</sup>	1.35±0.10
4	Elongation at break, Room temperature, % ≥	1000
5	Tack-free time, min	20-60
6	Curing rate, mm/24hr ≥	3.0
7	Movement capability, % ≥	25
8	Tear strength, MPa ≥	6.0
9	Shore A hardness, ≥	10
10	Resilience rate, % ≥	110
11	Operation temperature, °C	+5 to +35
12	Service temperature, °C	-40 to +90

### Packing

500ml bag/600ml sausage; 20kg/pail, 230kg/drum, or customized.

### Storage

Sealed and stored in cool and dry place. It is suggested to be stored at 5~25℃, and the humidity is less than 50%RH. If the temperature is higher than 40 °C or the humidity is more than 80%RH, the shelf life may be shorter.

Shelf life: 9 months