

# PC-Flex PU1NS

## Single Component Polyurethane Construction Sealant

### PRODUCT DESCRIPTION

PC-Flex PU1NS is one component solvent-free polyurethane construction sealant of low modulus.

### FEATURE AND BENEFITS

- Low modulus and high elasticity, good sealing and water-proof property
- One component, convenient to apply, nonpoisonous and odorless after curing, green and environmental
- The new and used sealant has good compatibility, easy to repair
- Moisture-cure, no cracking, no volume shrinkage after curing
- Excellent aging, water and oil resistance, resist to puncture, moldiness
- Excellent extrudability, easy to scratch sewing operation
- Bonding well with many substrates, no corrosion and pollution to substrate

### AREA OF APPLICATION

- Sealing of expansion and settlement joint of house building, plaza, road, airport runway, anti-wall, bridges and tunnels, building doors and windows etc.
- Sealing of upstream face crack of drainage pipeline, drains, reservoirs, sewage pipes, tanks, silos etc.
- Sealing of through holes on various wall and at floor concrete
- Sealing of joints of prefab, side fascia, stone and color steel plate, epoxy floor etc.

### PACKAGING AND STORAGE

310ml cartridge, 400ml/600ml sausage 20pcs/box, 2 boxes/carton.

When stored at 5~25°C, humidity ≤50%RH in the original unopened containers, this product has a usable life of 9 months from the date of production. Do not store at temp. over 25°C, humidity over 80%RH.

Transportation: moisture proof, prevent the rain, prevent sunscreen, anti-high temperature, away from heat, handle with care, crush or collision is prohibited.

### TECHNICAL INFORMATION

PROPERTY	STANDARD/UNITS	VALUE
Main raw material	-----	Polyurethane
Color/state	Visual inspection	Black/white/gray, paste
Density	Gr/cc	1.35±0.05
Volatile content	%	≤4
Tack free time	min	≤180
Curing speed	mm/ 24hrs	3-5
Hardness	Shore A	30±5
Tensile modulus	MPa	≤0.4
Elongation at break	%	≥600
Application temperature	°C	5-35
Temperature resistance	Up to 1 hour short time, °C	150
Shelf life	month	9

Note All data above were tested under special condition (7 days after full cured).

## DIRECTIONS FOR USE

Tool: Manual or pneumatic plunger caulking gun

- Cleaning: Clean and dry all surfaces by removing foreign matter and contaminants such as oil dust, grease, frost, water, dirt, old sealants and any protective coating.
- For cartridge
  1. Cut nozzle to give the required angle and bead size
  2. Pierce the membrane at the top of the cartridge and screw on the nozzle
  3. Place the cartridge in an applicator gun and squeeze the trigger with equal strength
- For sausage
  1. Clip the end of the sausage and place in barrel gun
  2. Screw end cap and nozzle on to barrel gun
  3. Using the trigger extrude the sealant with equal strength
- Attention of operation
  1. Choose this product, primer, activator and other matching product, must have bonding test before bonding the materials, to ensure that they have good compatibility. At the same time, before application, should guarantee that the sealant, primer and activator are in the warranty period.
  2. Please strictly according to the application process, any violation of the application operation may cause bonding failure. This product is innocuous after curing completely, but before curing, please avoid contacting with eyes and skin. In case of eyes and skin contact, wash immediately and thoroughly with soap and water. If the situation is serious, please go to see a doctor immediately.

## SAFETY OPERATION DATA

MSDS isn't included here. Please read TDS, MSDS and label carefully before operation. You can get MSDS from PCC or other distributors, or mail to service center [info@pcc.net.pk](mailto:info@pcc.net.pk), or call +923047711188.



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