

# BP3000– Poly Urethane Mastic.

## 1. TECHNICAL DATA SHEET<sup>①</sup>

Testing Items <sup>②</sup>	Performance
Appearance	Black/White/Gray homogeneous paste
Density (g/cm <sup>3</sup> )	1.35±0.05
Sagging Properties(mm)	≤1
Elongation at break(%)	≥700
Volatile content(%)	≤4
Stretch modulus (Mpa)	≤0.4
Shore A hardness(A°)	30±5
Tensile strength(Mpa)	≤3.0
Touch dry time(min)	≤180
Elastic recovery(%)	≥80
Extrudability (ml/min)	80
Pollution properties	Non
Application temperature(°C)	+5~+35
Movement capability (%)	20-25
Shelf life(month) <sup>③</sup>	9

Note:

①All data above were tested under standardized condition.

②All data listed in the chart were series; please refer to the related datasheet for special items.

③Stretch modulus is here is for 60% modulus.

④Storage condition has a direct impact to the products' shelf life, Please refer to the instruction for special items' storing.

## 2. DESCRIPTION:

BP 3000 is a one component gun grade polyurethane based construction sealant, it is of low modulus and cures by reaction with atmospheric moisture to form a soft rubber like material with excellent elastic and adhesion strength.

## 3. USES:

BP 3000 is suitable for most building joints, including perimeter caulking of doors and windows.

- \* Expansion joints.
- \* Joints in pre-cast panel.
- \* External walling, curtain wall joints.
- \* skylights, smoke vents.
- \* other structural sealing for areas with structure movement exists.

## 4. 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. Dust and loose particles should be cleaned.



## Technical Data Sheet

B 3000 – Poly Urethane Mastic

### 5. PACKAGING:

- \* 310ml cartridge, 20 pcs/carton
- \* 600ml/400ml sausage, 20 pcs/carton

### 6. APPLICATION:

Minimum application temperature: 5°C.

BP 3000 should be dispensed from either the cartridge or sausage by means of a caulking gun. Pierce the membrane at the top of the cartridge and screw on the nozzle. Cut nozzle to give the required angle and bead size. Place the cartridge in an applicator gun and squeeze the trigger. For sausages, a barrel gun is required, clip the end of the sausage and place in barrel gun. Screw end cap and nozzle on to barrel gun. Using the trigger extrude the sealant, to stop depress using the catch plate. Apply BP 3000 in a continuous bead using enough pressure to properly fill the gaps.

### 7. ADVANTAGES:

- \* Mildew proofing, Meet national standard for sealing of drinking water pipe.
- \* One component, no need of mixing.
- \* Easy for applying.
- \* Highly elasticity and low modulus.
- \* Excellent durability, weathering resistance..
- \* Self bonding, easily for repairing.
- \* Three kinds of colors available.
- \* 600, 400 cc aluminum foil packaging, 310 cartridge package for choice.
- \* *Can be painted.*

### 8. ADVICE:

- \* For common occasion, after cleaning out the surface with organic solvent, this product can be used directly.
  - \* Please construct by application instructions strictly, failure of stickiness may be caused by any operation disobeying construction techniques.
  - \* This product is innocuous after curing completely, but before set, please avoids contacting with eyes and skin. In case of eyes and skin contact, wash immediately and thoroughly with soap and water. See doctor immediately if it is serious.
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