



iya Polyurethane Construction PUC

iya PUC is suitable for sealing joint of concrete external walls, joint of artificial panel, joint between aluminous gusset plate and cement external wall.

TECHNICAL DATA :

Appearance	White / Gray / Black homogenous paste	
Extrudability (ml/min) GB/T 13477.4	≥80	
Sagging properties (mm) GB/T 13477.6	≤3	
Tack free time (h) GB/T 13477.5	2~5	
Volatile content (%) GB/T 13477.19	≤4	
Tensile modulus (MPa) GB/T 13477.8	23°C	≤0.4 (60%)
	-20°C	≤0.6 (60%)
Tensile strength (MPa) GB/T 528	≥0.8	
Elongation at break (%) GB/T 528	≥600	
Tensile properties at maintained extension GB/T 13477.10	No failure	
Adhesion/cohesion properties at maintained extension after water immersion GB/T 13477.11	No failure	
Adhesion / cohesion properties at variable temperature GB/T 13477.13	No failure	
Elastic recovery rate (%) GB/T 13477.10	≤70	
Application temperature (°C)	-40~90	

All data above were tested under standardized condition at 23±2°C, 50±5%RH

FEATURES :

- Weather resistance, good durability, non-powdering and cracking
- One-component, excellent extrusion, no sag, easy construction
- Low modulus, high movement-resistance

APPLICATION :

- Joint surface must first be clean with a cloth or brush, then with a cloth soaked in solvent, e.g. toluene or methylethylketone to be free from dust, loose dirt, oil or old caulking compound
- To avoid three-interface-adhesion, lay a compressible bond-break backing material such as polyethylene or polystyrene foam which is 1-2mm wider than joint width. When the depth of the joint is shallow, sticking tape which has a bond-break back should be put on the bottom to avoid three-interface-adhesion.
- In order to keep adjacent surfaces clean, applying masking tape is recommended; however, be sure to remove the tape immediately after caulking. Therefore the tape should be of good quality, not to be broken when removed.
- The sausage will be installed into a push gun, then the tip of the sausage will be cut off at the thickness of the joint width.
- Sealant will be filled into the joint thoroughly and carefully so as not to involve air bubbles.
- After filling sealant into the Joint, immediately tool with a spatula, Spoon or other instrument. The sealant must be tooled thoroughly to make tight contact. Wetting the above instrument with soap or an aqueous detergent solution make tooling easier and improve appearance. Remove excess sealant.
- Immediately after tooling, masking tape must be removed carefully.

SHELF LIFE :

- 12 months when properly stored
- Store in cool, dry, dark place
- Keep out of reach of children