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TECHNICAL DATA SHEET (SPLENDOR SP-1018/C PU SEALANT FOR CONSTRUCTION USE)

INTRODUCTION:

SPLENDOR SP-1018/C PU SEALANT is low modulus, one-part Polyurethane based gun grade construction sealant formulated by Splendor industry company limited. It reacts with moisture in the air to form a soft rubber like material. PU Sealant is used for filling and sealing joints in buildings. It is highly elastic and resilient, weather-durable, watertight with excellent adhesion to almost all construction materials. Normally a sealant caulking gun is need to press out when it shaped in a line or in bead.

TECHNOLOGY DATA:

TESTING ITEMS	PERFORMANCE
APPEARANCE	Homogeneous, highly viscous
COLOR	Black/White/Gray
DENSITY (G/CM ³)	1.35±0.05
SAGGING PROPERTISE (MM)	≤1
VOLATILE CONTENT(%)	≤4
ELONGATION AT BREAK (%)	≥600
TOUCH DRY TIME (MIN)	10~30
EXTRUDABILITY (G/MIN)	80
STRETCH MODULUS (Mpa)	≤0.4
SHORE A-HARDNESS(A°)	25~35
POLLUTION PROPERTIES	NON
ELASTIC RECOVERY(%)	≥80
APPLICATION TEMPERATURE (°C)	+5~+35
SHELF LIFE (MONTHS)	9(Store in cool and dry place)

Note:

- ①All data above ware tested under standardized condition.
- ②All data listed in the chart were for the generalized item in the 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.

PACKAGE:

- 300ml/310ml cartridge, 20 pcs/carton
- 600ml/400ml sausage, 20 pcs/carton

USES:

SP1018/C is suitable for most building joints, including **perimeter caulking** of doors and windows.

- External walling, curtain wall joints.
- Skylights, smoke vents
- Joints in pre-cast panel.
- Other structural sealing for areas with structure movement

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.

APPLICATION:

Minimum application temperature: 5°C.

SP1018/C 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. SP1018/C in a continuous bead using enough pressure to properly fill the gaps.

ADVANTAGES:

Mildew proofing, meeting national standard for sealing of drinking water pipe.

- One part, no need of mixing.
- Highly elasticity and low modulus.
- Three kinds of colors available.
- Excellent durability, weathering resistance
- Easy for applying.
- Self bonding, easily for repairing.
- 600, 400 cc aluminum foil packaging, 310 cartridge package in available
- Paintable

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.