



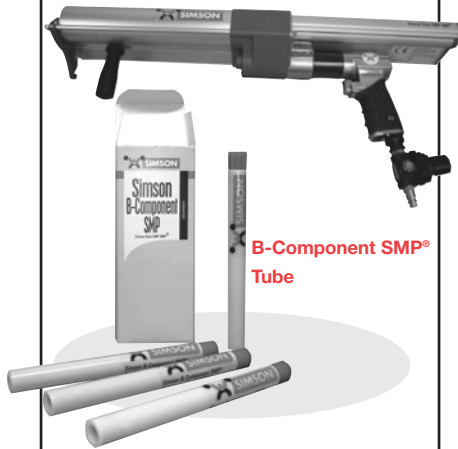
## ADHESIVES AND SEALANTS



# B-Component SMP®

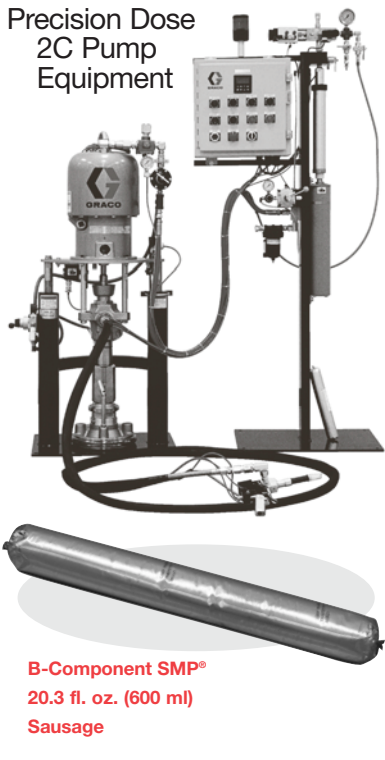
## Dual SMP

Dual SMP 400P Gun System



B-Component SMP® Tube

Precision Dose 2C Pump Equipment



B-Component SMP®  
20.3 fl. oz. (600 ml)  
Sausage

### PRODUCT

Bostik's B-Component SMP® is a paste-like compound which is used as an accelerator for the curing process of Bostik's SMP (Silyl Modified Polymer) Products.

### APPLICATIONS

A small amount of B-Component SMP® (1 part B-Component SMP® to 40 parts of SMP) significantly speeds up curing time and strength buildup of Bostik's SMP-based adhesive products.

The use of B-Component SMP® allows for SMP-based adhesives to be used in large overlap seam applications which otherwise would not fully cure with single component products. (Moisture is unable to diffuse into the gap and between the overlaps.) Shear strength buildup is shown by hours in the diagram (see side 2).

Together, Bostik's one-component SMP adhesive product and the B-Component SMP® is extruded with a dedicated applicator, the Dual SMP 400P gun.

For larger projects, a two-component machine called the SMP Precision Dose 2C Pump equipped with a device for the B-Component SMP® in 20 fl. oz. (600 ml) sausage packages can be used.

### PROCESS

The two-components are mixed together by means of a static mixer shortly before extrusion. Two static mixers are available: *Static Mixer 8®* for 70-08 / 70-09 and *Static Mixer 10®* for 70-03 / 70-03A SK / 70-04 / 70-05.



Static Mixer 8®



Static Mixer 10®

### FEATURES

- One-part dispersion-based paste
- Easily cleaned with water before curing
- Optimal mixing ratio = 1:40  
1 part B-Component SMP® to 40 parts SMP product using Dual SMP 400P gun
- Optimal mixing ratio = 1:49  
1 part B-Component SMP® to 49 parts SMP product using SMP Precision Dose 2C Pump

The mixing ratio of two-component adhesives is controlled with great accuracy. The one-component (A-Component) SMP adhesive is available in 400 ml packaging for use in the Dual SMP 400P gun applicator; and in the 20 oz. (600 ml) sausages and 52 gallon (200 liter) drum for use in the SMP Precision Dose 2C Pump system.

# B-Component SMP®

## TECHNICAL DATA

Basic Material	Dispersion-based paste with special fillers and additives	
Specific Gravity	~1.4 g/ml	
Shore A Hardness	~55	(DIN 53505)
Volume Change	<3%	(DIN 52451)
Isocyanate Percentage	0%	
Temperature Resistance	41°F to 105°F (+5°C to +40°C)	
Application Temperature	41°F to 95°F (+5°C to +35°C)	
Color	Off White	
Packaging (Note: Sizes subject to change):	10 ml cartridge, 600 ml sausage, 200 liter drum	

## STORAGE STABILITY

B-Component SMP® may be stored for 12 months in the closed (unopened) container in a dry place at temperatures between 41°F to 104°F (+5°C and +40°C). Must be stored at room temperature—protect from freezing.

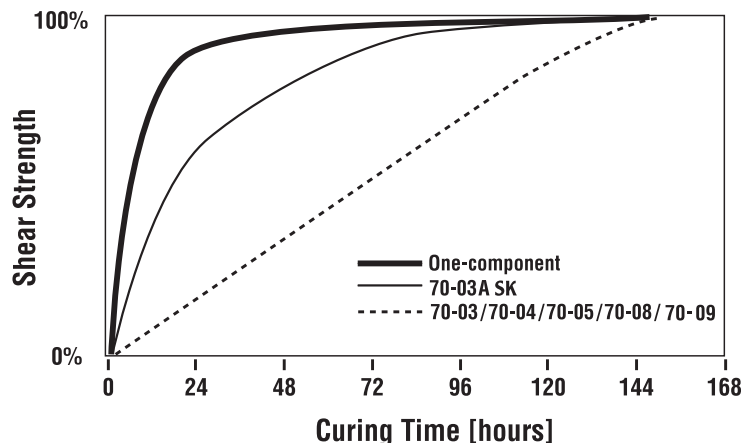
## SAFETY PRECAUTIONS

No specific safety precautions required. Consult safety material data sheet.

## STRENGTH BUILDUP OF DUAL SMP® PRODUCTS, COMPARED WITH 1-COMPONENT COUNTER PRODUCTS.

Specimen curing conditions 23°C @ 50%RH. Strength determined with single lap shear specimens, overlap of 25 x25mm, 2mm bondline thickness, test speed 50mm/min. The strength buildup is given as a percentage of the final strength that is reached for each individual product. Please refer to the technical data sheet of the A-component for this information.

PRODUCT	OPEN TIME
70-03	15 min.
70-03A SK	30 min.
70-04	10 min.
70-05	15 min.
70-08	10 min.
70-09	10 min.



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