

Product Name

**SHARPIE Silicone S**

SRC1-01  
SRP1-03

Single component, high modulus, oxime cure.  
Excellent weatherability, durability and thermal properties.  
Suitable for low temperatures.  
JIS A 5758 certified, G30SLM-9030G(SR-1)



JSIA F☆☆☆☆

### ■Advantages

- ◇Excellent durability & weatherability  
Permanent high performance
- ◇Strong adhesion  
Good adhesion with various substrates Glass, metal, plastic, concrete, etc.
- ◇Easy to operate  
Extrudes well in cold temperatures  
Cures well in cold construction periods
- ◇Remarkable thermal properties  
Temperature range of -50°C to 150°C (after curing)

### ■Application

- Installations for bathtubs and wash basins
- Waterproofing for sash joints and metal surroundings
- Water pipe and drainpipe joints
- Prefabrication, shipping containers, or freezing-containers joints
- Glass glazing

### ■Characterization

#### ▪ General

Product name:	SHARPIE Silicone S
Product code	SRC1-01
Main component:	Silicone
Class	JIS:G-30SLM (SR-1-9030G)
Consistency:	Paste
Colour	Transparent, white, grey, light grey, light grey(2), amber, black,
Storage	18Months
Viscosity(Pa · s)	500 at 23°C
Operation temperature	5°C~35°C
Application temperature	-50°C~150°C
Paintability	None

#### ▪ Curing properties

Curing condition	Thickness for Skin Forming			
	2mm	5mm	10mm	15mm
5°C*50%RH	2d	>6d	-	-
23°C*50%RH	1.5d	2d	6d	-
50°C*50%RH	0.5d	1d	3d	6d

#### ▪ Cured properties (JIS K 6251 Dumbbel-3)

50%Tensile stress	(N/mm <sup>2</sup> )	0.36
Maximum tensile stress	(N/mm <sup>2</sup> )	1.5
Elongation at break	( % )	450
Hardness	(shore A)	28

#### ▪ Base on JIS A 5758or JIS A 1439

Density (g / ml )		1.02
Skin Over time (min.)	23°C	10
Extrudability (sec)	23°C	2~5
Volatility (%)		95.9



Sag (mm)	Vertical	50℃	0
	Horizontal	50℃	0
Elastic Recovery (%)			90
Tensile Properties 【M60】 ( N/mm <sup>2</sup> )		23℃	0.4
		-20℃	0.5
Cohesion properties at maintained extension			no failure
Cohesion properties after compression heating/tension cooling			no failure
Cohesion properties immersed in water			failure
Durability (9030G)			pass

▪ Tensile Properties

Cure condition \ Criterion	Test condition	50% Tensile Stress (N/mm <sup>2</sup> )	Maximum Tensile Stress (N/mm <sup>2</sup> )	Elongation at Break (%)
After curing	23℃	0.41	0.82	170
After heating ( 80℃ )	23℃	0.41	0.81	160
After immersion in water	23℃	0.37	0.81	180

with primer  
P-16  
Substrate :  
Aluminum

■Recommended primer

Recommended Substrates	Product Name	Note
Concrete, mortar	Sharp Chemical Primer P15	Main solvent: Butyl acetate
Coated metals,glass, plastics	Sharp Chemical Primer P16	Main solvent: Acetone

■Usage amount

The length (m) of sealant operation per a 330ml cartridge

D \ W	10mm	15mm	20mm	25mm	30mm
10mm	2.6	1.8	1.3		
15mm			0.9	0.7	0.6

Loss rate 20%  
W: width.  
D: depth.

The length (m) of primer operation per a 300g can

D \ W	10mm	15mm	20mm	25mm	30mm
10mm	105	105	105		
15mm			70	70	70

Loss rate 30%  
W: width.  
D: depth.

Porous surface (concrete): about half length of non-porous surface.





## ■How to use

Refer to the following instructions for product application

- |   |                                       |
|---|---------------------------------------|
| ①Pre-study and preparation                        | ⑦Load the sealant into a caulking gun |
| ②Pre-check  | ⑧Apply                                |
| ③Seam/surface is dust free and dry                | ⑨Use a spatula to tool the joint      |
| ④Setup holder and accessories                     | ⑩Remove the masking tape              |
| ⑤Setup the masking tape                           | ⑪Cleanup the surroundings             |
| ⑥Apply primer (primer skin over time: 30min/20°C) | ⑫Check the seal                       |

## ■Cautions

- The substrate surface to be bonded must be dry and free of oil, dust, grease and other contaminants.
- Do not apply during rainfall or snowfall
- Outdoor application will sometimes cause staining to the surroundings
- Application on porous substrate like natural stones or marble may cause staining on the substrates.
- Not paintable
- Do not apply with PS-2, PU-2, PU-1 simultaneously – causes cure inhibition
- Do not touch until fully cured otherwise may cause surface cracks.

## ■Attention

- Keep away from heat/sparks/static electricity/open flames/hot surfaces. No smoking.
- Do not breathe in dust/fume/gas/mist/vapours/spray.
- Because MEKO gas is generated, be wary of ventilation.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Avoid exposing gases to the environment.
- If swallowed: rinse mouth.
- If exposed or if you feel unwell: Immediately call a POISON CENTER or doctor/physician.
- If skin or eye contact occurs immediately flush with water for 15 minutes. And call a POISON CENTER or doctor/physician.
- If inhaled: breathe fresh air in resting position.
- Keep out of reach of children
- Store in dark and cold places, away from sunshine
- Construction, Industrial use only

## ■Packaging

### ●Sealant

- ① SHARPIE Silicone S . . . . 330ml cartridge x10 /box 2boxes/bale  
 ◇ colour: Transparent, White, grey, light grey, light grey(2), silver, amber, black
- ② SHARPIE Silicone S pouch type . . . . 330ml pouch x20 /box  
 ◇ colour: Transparent, white, grey, light grey, black

### ●Primer

- ① SHARPIE Primer P-15 . . . . 300g /can  
 ② SHARPIE Primer P-16 . . . . 300g /can

★ The data above, due to different materials and conditions of application which are beyond our knowledge and control, we strongly recommend carrying out experimentation and testing in order to ensure that our products are suitable for the intended processes and applications. We expressly deny any liability based on these



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