

Product name

**SHARPIE Silicone S**

SRC1-01  
SRP1-03

One component silicone, High modulus, Oxime curing type  
Excellent weatherability and durability and thermal properties.  
Easily operate at low temperature.  
Pass JIS A 5758 qualified, G30SLM-9030G(SR-1)



JSIA F☆☆☆☆

#### ■Advantages

- ◇Excellent durability & weatherability  
Permanent high performance
- ◇Strong adhesion  
Good adhesion with various substrates  
Glass, Metal, Plastic, Concrete and so on...
- ◇Easy to operate  
Good extrudability in low temperature.  
Well curing in cold, construct period.
- ◇Remarkable thermal properties  
Applicable on -50°C to 150°C(after curing)

#### ■Application

- Installation of bathtub and sink
- Waterproof joints of sash and metal surroundings
- Joints of water-pipe and drainpipe
- Joints of Prefabrication, Container, freeze-container
- 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
Color	Transparent, White, Grey, Light grey, Light grey(2), Amber, Black,
Storage	18Months
Viscosity(Pa · s)	500; 23°C
Operation temperature	5°C~35°C
Application temperature	-50°C~150°C
Paitability	不可

##### ▪ Curing properties

Curing condition	Thickness of 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
Tack-free time (min.)	23°C	10
Extrudability (sec)	23°C	2~5
Nonvolatile (%)		95.9



Slump(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 at maintained extension at Immersion in water			no failure
Durability(9030G)			Pass

▪ Tensile Properties

Cure condition \ Item	Test condition	50% Tensile stress (N/mm <sup>2</sup> )	Maximum tensile stress (N/mm <sup>2</sup> )	Elongation at break (%)	with primer P-16 Substrate : Aluminum
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	

■Recommend primer

Recommend substrates	Product name	Note
Concrete, mortar	Sharp Chemical Primer P15	Main solvent ; Butyl acetate
Coated Metal, Glass, Plastic	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	Loss rate 20% W: width. D: depth.
10mm	2.6	1.8	1.3			
15mm			0.9	0.7	0.6	

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

D \ W	10mm	15mm	20mm	25mm	30mm	Loss rate 30% W: width. D: depth.
10mm	105	105	105			
15mm			70	70	70	

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





## ■How to use

Please operate the product according to following procedure

- |  |  |
|--|--|
| ①.Pre-study and preparation                        | ⑦.Load the sealant into a caulking gun |
| ②.Pre-check  | ⑧.Apply                                |
| ③.Seam/surface dust free and dried                 | ⑨.Use a spatula to finish the joint.   |
| ④.Setup holder and accessories                     | ⑩.Remove the masking tape              |
| ⑤.Setup the masking tape                           | ⑪.Clear up around                      |
| ⑥.Apply primer (primer tack-off time : 30min/20°C) | ⑫.Check the operation                  |

## ■Notice

- The surfaces to be bonded must be dry, free of oil, dust, grease and other contaminants.
- NO operation when it rains or snows.
- NO application on the wet surface.
- Sometimes Outdoor using happen surroundings of sealing stain.
- Porous substrate like natural stones, marble will happen surroundings of sealing stain.
- CAN NOT painted on. Paint repellent!
- Do not apply with PS-2, PU-2, PU-1 type in the same time. Curing inhibition!
- NO movement, before cure finishing. Liner Cracks maybe occur on the surface!

## ■Attention

- Keep away from heat/sparks/static electricity/open flames/hot surfaces. No smoking.
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Because MEKO gas is generated, ventilate it during use enough.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Avoid release 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: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Keep out of reach of children
- Storage in a dark cold place. Keep away from sunshine.
- Construction, Industrial use ONLY

## ■Packaging

### ●Sealant

- ① SHARPIE Silicone S . . . . 330ml cartridge x10 /box 2boxes/bale  
◇ color : Transparent, White, Grey, Light grey, Light grey(2), Silver, Amber, Black,
- ② SHARPIE Silicone S pouch type . . . . 330ml pouch x20 /box  
◇ color : 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 sufficient tests in order to ensure that our products are suitable for the intended process and applications. Except for wilful acts any liability based on such recommendations or any oral advice is hereby expressly excluded.



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