

Product name

**SHARPIE Polyca-Seal**

SRC1-05

One component silicone sealant, alcohol curing type, Outstanding weatherability, durability and thermal properties as same as general de-oxime type silicone.

But control the smell and solvent crack for plastics! Applicable to copper.

Rarely Transparent (whity-clear) color!

&lt;Alcohol type&gt;

JSIA F☆☆☆☆

**■Advantages**

- ◇Alcohol type
  - Non-solvent crack
  - No smelly
  - Applicable to copper
- ◇Rarely transparent whity-clear !
- ◇Excellent durability & weatherability
  - High performance everlasting!
- ◇Reliable thermal properties
  - Applicable on - 40°C to 150°C(after curing)
- ◇Strong adhesion
  - Adhere to various substrates Plastic, Glass, Metal, Concrete, Mortar, and so on

**■Application**

- Installation of carport panels
- Seal/Adhesion of plastics
- Seal/Adhesion polycarbonate plate, polyvinyl chloride plate
- Joints of Prefabrication, Container, freeze-container
- Waterproof joint of sash and metal surroundings
- Glass glazing

**■Characterization**

- General

Product name:	SHARPIE Polyca-Seal
Product code	SRC1-05
Main component:	Silicone
Class	—
Consistency:	Paste
Color	Whity-clear
Storage	12Months
Viscosity(Pa · s)	500 ; 23°C
Operation temperature	5°C~35°C
Application temperature	-40°C~150°C
Paintability	N/A

- Curing properties

Curing condition	Thickness of skin forming(Days)			
	2mm	5mm	10mm	15mm
5°C*50%RH	2	>6	—	—
23°C*50%RH	1.5	2~3	6	—
50°C*50%RH	0.5	1	3	6

- Cured properties(JIS K 6251 Dumbbel-3)

50% Tensile stress	(N/mm <sup>2</sup> )	0.16
Maximum tensile stress	(N/mm <sup>2</sup> )	0.90
Elongation at break	( % )	500
Hardness	(shore A)	10

- Base on JIS A 5758or JIS A 1439

Density (g / ml )		1.02
Tack-free time (min.)	23°C	30
Extrudability (sec)	23°C	2~3
Nonvolatile (%)		97





• 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 (%)	
After curing	23°C	0.16	0.62	400	
After heating ( 80°C )	23°C	0.21	0.64	350	without primer
After immersion in water	23°C	0.17	0.35	230	Substrate : Aluminum

■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	
10mm	2.6	1.8	1.3			Loss rate 20%
15mm			0.9	0.7	0.6	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			Loss rate 30%
15mm			70	70	70	W: width. D: depth.

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.Inject the sealant                   |
| 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.Primer apply (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.
- Maybe curing time is later than initial, in case of long storage term.
- Maybe curing time is later than initial, if storage at hot place like inside of car .
- 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.
- 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

SHARPIE Polycy-Seal . . . . 330ml cartridge x 10 /box 2boxes/bale

◇color : Transparent(Whity-clear)

### ●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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