

Product name **Sharpie™ PAINT HENSEI**MSC1-04
JAIA F☆☆☆☆

Sharpie Paint Hensei represents a novel eco-friendly, non-bleeding, one-component modified silicone sealant.

Contains no plasticizer, the main cause of bleed contamination in building materials.

Complies with the quality standards of JIS A5758 architectural sealant F-12.5E-8020 (MS-1).

Excellent weatherability, heat resistance, and cold resistance.

Excellent paintability, compatible with a wide range of construction paints.

ADVANTAGES

- ✧ Good paintability, non-bleed type
Plasticizer free, less darkening,
prevent migration phenomenon.
- ✧ Fast curing
Shorter construction period.

APPLICATION

- ◆ Construction siding and its joints.
- ◆ Construction ALC and its joints.
- ◆ Various boards and their joints.
- ◆ Crack joints in exterior/interior walls.

TECHNICAL PRODUCT DATA

◇ General properties

Product name	SHARPIE Paintable Modified Silicone
Product code	MSC1-04
Main component	MS polymer
Class	Same as JIS F-12.5E-8020
Consistency	Paste
Color	White / Lt. Grey
Storage	15 Months
Viscosity(Pa · s)	250 ~ 450 ; 23°C
Application temperature	5°C ~ 35°C
Service temperature	-20°C ~ 90°C
Paintability	Excellent

◇ Properties base on JIS A 5758or JIS A

Density (g /ml)		1.40
Tack-free time (min.)	23℃	30
Extrudability (sec.)	23℃	3 ~ 5
Nonvolatile (%)		93.9

◇ Cured properties (JIS K 6251 Dumbbell-3)

50% Tensile stress	(N/mm ²)	0.30
Maximum tensile stress	(N/mm ²)	1.75
Elongation at break	(%)	750
Hardness	(Shore A)	30

◇ Curability

Curing Rate	Required curing time (Day) by apply thickness			
	2mm	5mm	10mm	15mm
5°C*50%RH	2	>6	-	-
23°C*50%RH	1.5	2	6	-
50°C*50%RH	0.5	1	3	6

◇ Adhesive properties> Tensile adhesion (JIS A1439)

Cure condition	Test condition	50% Tensile stress (N/mm ²)	Maximum tensile stress (N/mm ²)	Elongation at break (%)	with primer P-50 Substrate: Aluminum
After curing	23°C	0.32	1.22	600	
After heating (80°C)	23°C	0.35	1.40	620	
After immersion in water	23°C	0.17	0.62	690	

+ RECOMMEND PRIMER

Recommend substrates	Product name	Note
Coated metal, concrete, ALC	SHARPIE Primer P50	Non yellowing aging

+ PAINTABILITY

The table provided is a general reference. Differences may occur depending on the products, please test before use.

Classified	General	Adhesion	Non-stain	For water base, be aware of water repellency. Adhesion ○ : Good △ : Normal × : Bad
Single layer finish	Acrylic resin lithin	○	◎	
	Elastic lithin	○	◎	
Multi-layer finish	Acrylic silicone	○	◎	
	Elastic spray lithin (waterproof)	○	◎	Non-stain ◎ : Excellent ○ : Good △ : Slight(not effected)
Thick layer finish	Synthetic stucco	○	◎	
Water based paint		○	◎	
Solvent based paint		○	◎	
Oil based paint		×	×	

+ USAGE AMOUNT

The length(m) of sealant operation per 320ml 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 500g can

Data on porous surface (concrete). Non-porous surface usage at 50% of below data.

D \ W	10mm	15mm	20mm	25mm	30mm	Loss rate 30% W: width. D: depth.
10mm	175	175	175			
15mm			116	116	116	

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 surface which contained volatile.
- DO NOT operated too thin, or it will turn to white in a short-term.
- CAN NOT operated on asphalt.

ATTENTION

- Keep away from heat/sparks/static electricity/open flames/hot surfaces. No smoking.
- Do not breathe dust/fume/gas/mist/vapors/spray.
- Wear protective gloves/protective clothing/eye protection/face protection.
- 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 and Industrial use ONLY.
- See SDS for detailed description.

PACKAGING

Sealant

Sharpie Paint Hensei 320ml cartridge x 10 / carton
*Available in 600ml sausage pack.

Primer

SHARPIE primer P-50 500g /can, 10 can / carton



★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 to ensure that our products are suitable for the intended.

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