

JSIA F☆☆☆☆

MSC1-20

Product name **SHARPIE™ Paint Sera NB-Q**

- ✚ SHARPIE™ Paint Sera NB-Q is an one component acrylic modified silicone sealant.
- ✚ Primer-less. * Use Sharpie primer P-50 for porous materials.
- ✚ Non-bleed. Quick-dry.
- ✚ Excellent weatherability and durability.
- ✚ Low VOC, Singapore Green Building Certificated. *SGBC
- ✚ Low modulus, high elongation.
- ✚ Great adhesion with various materials, including fluorinated polymer contented paint.

◇ Application

- General outdoor/indoor construction joint
- Metal panel joints
- Various kinds of roof materials
- Duct surrounding

◇ Characterization

Product name:	SHARPIE Paint Sera NB-Q
Product code	MSC1-20
Main component:	Acrylic MS polymer
Consistency:	Paste
Storage	12Months
Viscosity (Pa · s)	300~600 ; 23°C
Application Temperature	5°C~35°C
Service Temperature	-30°C~90°C
Paintability	Good No-bleed

Density (g /ml)		1.3
Tack-free time (min.)	23°C	40
Extrudability (sec.)	23°C	3~5
Elastic Recovery		65
Nonvolatile (%)		94
Durability (JIS 8020)		Passed

• Base on JISA 5758 or JISA 1439

◇ Curing properties

Curing condition	Thickness of skin form			
	2mm	5mm	10mm	15mm
5°C*50%RH	3	> 10	—	—
23°C*50%RH	2	3	8	—
50°C*50%RH	0.5	2	4	7

◇ **Cured properties** (JIS K 6251 Dumbbel-3)

50% Tensile stress	(N/mm ²)	0.16
Maximum tensile stress	(N/mm ²)	0.95
Elongation at break	(%)	500
Hardness	(shore A)	15

◇ **Tensile Properties**

Cure condition \ Item	Test condition	50% Tensile stress (N/mm ²)	Maximum tensile stress (N/mm ²)	Elongation at break (%)
After curing	23°C	0.19	0.84	468
After heating (80°C)	23°C	0.23	0.99	420
After immersion in water	23°C	0.12	0.42	517

with primer P-50
Substrate: Aluminum

◇ **Recommend primer**

Recommend substrates	Product name	Note
Coated metal, concrete, ALC	Sharpie Primer P-50	Non yellowing aging

◇ **Paintability.**

Classified	General	Adhesion	Non-stain
Single layer finish	Acrylic resin lithin	○	◎
	Elastic lithin	○	◎
Multi-layer finish	Acrylic silicone	○	◎
	Elastic spray lithin (waterproof)	○	◎
Thick layer finish	Synthetic stucco	○	◎
Water-based paint *be aware of water repellency		○	◎
Solvent-based paint		○	◎
Oil-based paint		×	×

Adhesion:
○ : Good
△: Normal
x: Bad

Non-stain
◎ : Excellent
○ : Good
△: Slight (not effected)

*Do NOT applied on oil-based or phthalic oxidatively-polymerized paint.

*General reference. During primer or paint difference, confirmation request.

◇ **Usage amount**

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

The length(m) of sealant operation per 320ml cartridge.

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

D \ W	10mm	15mm	20mm	25mm	30mm
	10mm	175	175	175	
15mm			116	116	116

The length(m) of primer operation per 500g can.

Loss rate 30%
W: width. D: depth



◇ How to use

- | | |
|--|--|
| 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-offtime : 30min/20℃) | 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.
- Before operation, wooden corrosion should be removed.
- CAN NOT operated on asphalt.
- NO application on the surface which contained volatile.
- DO NOT operated too thin.
- CAN NOT adhere to marble and glass.

◇ 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 and Industrial use ONLY
- See SDS for detailed description.

◇ Packaging

SHARPIE Paint Sera NB-Q . . . 320ml cartridge x 10 / box
*Available in 600ml sausage pack.

★Specification is based solely on actual products. Subject to change without prior notice.



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