

くらし・化わる生活想造企業シャープ化学

Reaction cure type two component Modified Silicone Sealant

Sharpie Seal M-2NB

MSK2-18 JSIA F☆☆☆☆



High weather resistance. It is stable on many kinds of joints after a long period.

With specific primers, it can adhere many kinds of materials.

Better operating under a low temperature and shift along with the joints in a short period.

Because of using the color paste, it can be adjusted to any kind of colors.

Less contaminating to the surrounding. The adhesion depends on the primer.

Advantages

Product name

- ♦ Excellent durability & Weatherability
- ♦ Multi-substrates application
- \diamond Stable adhesion with recommended primer
- \diamond Extensive using in high building structure
- ♦ Multicolor selections

∎Use

- \diamond Joints of metal curtain curtin / wall panel
- \diamond Joints of pre-cast concrete curtain / wall panel
- ♦ Joints of stone-clad pre-cast concrete
- ♦ Joints of tile
- ♦ Joints of building well panel

Characterization

Product name	Sharp Chemical M-2NB
JIS A 5758 qualified	F-25LM-9030 (MS-2) No CE0508023
Shape : base / Hardener / Color pase	Pasty / light yellow liquid / pasty
Mixing ratio	100:10:4.3

Base On JIS A 5758 & JIS A 1439

	Longitudinal	5°C	0	Density	g/ml	1.27
Slump	Longitudinal	50°C	0		5°C	4
(mm)	(mm) 5°C 0	Extrudability (sec)	23°C	2		
	Lateral	50°C	0		5°C	5
Elastic Recovery(%) Tensile Properties [M100] 23°C (N/mm²) -20°C			93	Available time (h) <with seasonal="" selection=""> 23°C 35°C</with>		4
		23°C	0.2			2
		-20°C	0.2	Tack-free (h)	23°C	6
Cohesion properties			<u> </u>	Loss of volume (%)		6.8
at maintained extension			No failure	Durability (9030)		Pass
after compression heating/tension cooling			No failure			1
at maintained extension at Immersion in water			No failure			

Tensile Properties

Curing Condition	Test condition	50% tensile stress (N/mm ²)	Maximum tensile stress (N/mm ²)	Elongation at break (%)	With primer P-32
After curing	23°C	0.12	0.49	810	Substrate:
After heating (80°C)	23°C	0.14	0.54	730	Alumimun
After immersion in water	23°C	0.10	0.43	850	1

Recommend primer

Recommand substrates	Product name	Note
Coated matel, concrete, ALC	SHARPIE Primer P50	Non yellowing aging



Paintability

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

0 0 0	0 0 0	_ be aware of water repellency Adhesion O:good ∆:normal ×:bad
0		
0	0	
0	0	Non-stain O:good(maybe sticky)
0	0	Δ slight(but not effected)
0	0	
0	0	
Х	×	
	0	O O O O O O

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.

How to use

Please apply the product according to the following procedure

- ① Pre-study and preparation
- (2) Pre-check
- (3) Seam/surface dust free and dried
- (4) Setup holder and accessaries
- 5 Setup the masking tape
- 6 Apply primer (primer tack-off time: 30min/20°C)
- ⑦ Base / hardener / color paste mixing

- · 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.

Industrial use ONLY

- 8 Load the sealant into a caulking gun
- (9) Apply
- 1 Use a spatula to finish the joint.
- (1) Remove the masking tape
- 12 Clear up around
- (13) Check the operation

Sealant Operation Temperature Scope

The month	Operating		Available (hr	·)
of manufacture	temperature	5°C	25°C	35°C
1, 2, 11, 12	5 ~ 20°C	4 ~ 6	2 ~ 4	
3, 4, 9, 10	10 ~ 30°C		2~4	
5, 6, 7, 8	20 ~ 35°C		3 ~ 5	1 ~ 2

Stretch and Shear Rate by standard joints

	Stretc	h rate	Shear rate		
Seal M-2	M1	M2	M1	M2	M1: In temperature condition
(Durability 9030)	20	30	30	60	M2: Wind / Earthquake / Vibration

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Replenish Joint

First	M-2	PU-2
Second M-2	0	Ø

O: Able to repair / Do former replacement after cut off former glue

Joint Design

Design of standard joints (width and depth)

Width	Min	40mm
Allowable	Min	10mm
Depth	Max	30mm
Allowable	Min	10mm

Recommand inject twice while width over 30mm.

Usage amount

The length(m) of sealant operation per a 4L can

D W	10mm	15mm	20mm	25mm	30mm	Loss rate 20%
10mm	32	21	16			W: width.
15mm			10.6	8.5	7.1	D: depth.

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

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

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

Notice

1. No skin contact with glue, glove as necessary as protection

- 2. Flame / static caution when primer applying
- Mask / glasses for protection as necessary
 High temperature / fire source caution request for primer
- 5. Wastes handle by contractor

Packaging

Selants

Primer

♦ color paste SHARPIE Primer P-32 SHARPIE Primer P-50

Sharpie Seal M-2NB

• • 500g /can • • 500g /can

• • • • 4L x2can /carton

6. Watch by water when eye contact uncautions

10. The product develop for construction purpose only

7. Drink water and emetic if eaten by mistake

11.Please refer to MSDS as detail information

9. Keep away kids reachable



★The data above, due to different materials and conditions of application which are beyond our knowledge and control we strongly recommend carring 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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