

Reaction cure type two component Modified Silicone Sealant

MSK2-17

JSIA F☆☆☆☆

Product name

Sharpie Seal M-2

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

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

- ♦ Joints of metal curtain curtin / wall panel
- ♦ 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-2	
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
Slump	Longitudinai	50°C	0
(mm)	Lateral	5°C	0
	Lateral		0
Elastic Reco	overy(%)		93
Tensile Properties [M100]		23°C	0.3
	(N/mn	n²) -20°C	0.3

Conesion p	roperties
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at maintained extension	No failure
after compression heating/tension cooling	No failure
at maintained extension at Immersion in water	No failure

Density	g/ml	1.31
	5°C	4
Extrudability (sec)	23°C	2
Available times (b)	5°C	5
Available time (h) with seasonal selection>	23°C	4
	35°C	2
Tack-free (h)	23°C	6
Loss of volume (%)	3.1	
Durability (9030)	Pass	

Tensile Properties

Curing Condition	Test condition	50% tensile stress (N/mm²)	Maximum tensile stress (N/mm²)	Elongation at break (%)	With primer P-32
After curing	23°C	0.14	0.52	770	Substrate:
After heating (80°C)	23°C	0.16	0.73	680	Alumimun
After immersion in water	23°C	0.14	0.44	740	

■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.

Classified General Adhesion Non-stain For waterbase, be aware of water repellency Single layer finish Acrylic resin lithin △ Adhesion O:good △:normal ×:bad Multi-layer finish Acrylic silicone △ Adhesion O:good △:normal ×:bad Thick layer finish Synthetic stucco △ Non-stain O:good(maybe sticky) Thick layer finish Synthetic stucco △ Adhesion O:good △:normal ×:bad Waterbase paint ○ △ Adhesion O:good △:normal ×:bad O:good(maybe sticky) O:good(maybe sticky) O:good(maybe sticky) Aslight(but not effected) O:go	00110101110101001	parity printer or paint amerenee, coming	Thation roquod	T.	╕
Elastic lithin △ Adhesion O:good △:normal ×:bad Multi-layer finish Acrylic silicone △ Elastic spray lithin (waterproof) △ Non-stain O:good(maybe sticky) △slight(but not effected) Thick layer finish Synthetic stucco △ Waterbase paint △ △ Solventbase paint △ △	Classified	General	Adhesion	Non-stain	For waterbase , be aware of water repellency
Elastic lithin	Single layer finish	Acrylic resin lithin		Δ	
Elastic spray lithin (waterproof) Thick layer finish Synthetic stucco Waterbase paint Solventbase paint Canada and the street of the stre		Elastic lithin	0	Δ	
Thick layer finish Synthetic stucco Waterbase paint Solventbase paint O:good(maybe sticky) Aslight(but not effected) A Solventbase paint	Multi-layer finish	Acrylic silicone	0	Δ	
Thick layer finish Synthetic stucco Waterbase paint Solventbase paint △ △ △ △ △ △ △ △ △ △ △ △		Elastic spray lithin (waterproof)	0	\triangle	
Solventbase paint O △	Thick layer finish	Synthetic stucco	0	Δ	
·	Waterbase paint		0	\triangle	
Oilbase paint × ×	Solventbase paint		0	Δ	
	Oilbase paint		×	×	

Do NOT applied on oilbase or phthalic oxidatively-polymerized paint

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.
- Industrial use ONLY

■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

- 8 Load the sealant into a caulking gun
- Apply
- 10 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

	Stretch rate		Shea	r rate
Seal M-2	M1	M2	M1	M2
(Durability 9030)	20	30	30	60

M1: In temperature condition

M2: Wind / Earthquake / Vibration





■Replenish Joint

First	M-2	PU-2
Second M-2	0	©

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

M-2 Not in priority

■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	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
- 3. Mask / glasses for protection as necessary
- 4. High temperature / fire source caution request for primer
- 5. Wastes handle by contractor

- 6. Watch by water when eye contact uncautions7. Drink water and emetic if eaten by mistake
- 9. Keep away kids reachable
- 10. The product develop for construction purpose only
- 11. Please refer to MSDS as detail information

■Packaging

- 4L x2can /carton Selants **Sharpie Seal M-2**

♦ color paste

SHARPIE Primer P-32 Primer • • • 500g /can SHARPIE Primer P-50 • • • 500g /can



★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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