

Product name **SHARPIE Lumber Repair Caulking NB** MSC1-05

One component caulking, Moisture cure type Modified silicone.

High hardness and strength,

Good elongation Born for wood repair,

Applicable to concrete, metal and so on, too.

Non-bleed type ! Paintable!

■Advantages

- ◇High strength and hardness,
Right elongation Excellent performance
for wooden repair Hard to be stab
- ◇Rapid cure type
Shorten construction period
- ◇Low loss of volume
Because become hollow less,
good finishing after curing
- ◇Good adhesion
Good adhesion with various substrates
Show better with recommended primer
- ◇Anti-mold agent

■Characterization

- General

Product name:	SHARPIE Lumber Repair Caulk NB
Product code	MSC1-05
Main component:	Speical MS polymer
Class	Same as JIS F-12.5E-8020
Consistency:	Paste
Storage	18Months
Viscosity(Pa · s)	23℃ ; 400~500
Application temperature	5℃ ~ 35℃
Service temperature	— 30℃ ~ 90℃
Paintability	Excellent

- Base on JIS A 5758 or JIS A 1439

Density (g /ml)		1.40
Tack-free time (min.)	23℃	20
Extrudability (sec.)	23℃	3 ~ 5
Nonvolatile (%)		95

■Application

- Filling for hole and crack
caused by peg or screw.
- Crack and Corrosion
of wooden parts for outdoor use
Exp. wood deck, log-house, veranda
- Crack of wooden parts
for interior wood floor, wood furniture

- Curing properties

Curing condition	Thickness of skin forming			
	2mm	5mm	10mm	15mm
5℃*50%RH	-	7~10	-	-
23℃*50%RH	-	1~2	-	-
50℃*50%RH	-	~1	-	-

- Cured properties(JIS K 6251 Dumbbell-3)

50% Tensile stress	(N/mm ²)	0.80
Maximum tensile stress	(N/mm ²)	2.00
Elongation at break	(%)	300
Hardness	(shore A)	50





■ 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	0.80	1.41	210
After heating (80°C)	23°C	0.93	1.75	130
After immersion in water	23°C	0.57	0.75	180

with primer
P-50
Substrate :
Aluminum

■ Recommend primer

Recommend 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	
Single layer finish	Acrylic resin lithin	○	◎	For waterbase , be aware of water repellency
	Elastic lithin	○	◎	
Multi-layer finish	Acrylic silicone	○	◎	Adhesion ○:Good △:Normal × :Bad
	Elastic spray lithin (waterproof)	○	◎	
Thick layer finish	Synthetic stucco	○	◎	Non-stain ◎: Excellent ○: Good △: Slight(not effected)
Waterbase paint		○	◎	
Solventbase paint		○	◎	
Oilbase oilstain paint		×	×	

Do NOT applied on oilbase or phthalic oxidatively-polymerized paint

■ Usage amount

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

D \ W	10mm	15mm	20mm	25mm	30mm	
10mm	2.6	1.8	1.3			Loss rate 20% W: width. D: depth.
15mm			0.9	0.7	0.6	

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

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

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.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℃) | 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

●Sealant

Sharpie Lumber repair Caulking NB ... 320ml cartridge x5 /box

◇ Color : Natural brown, Honey brown, fox brown

●Primer

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 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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