

Product name **SHARPIE Roofcalk NB-Q**

One component modified silicone, good adhesion with fluorine-color steel sheet.
Excellent weatherability and durability and thermal properties.
Low modulus, high elongation, special design for roof construction.

JSIA F☆☆☆☆

■Advantages

- ◇ Great adhesion properties
Adhere with fluorine-color steel very well,
Without Primer.
almost applicable to all kinds of adherents
(Porous surface need primer P50.)
- ◇ Good paintability
Specail formular, prevent plasticizer,
Keep the finishing surface neatly.
- ◇ Speedy curing
Short skin over time.
Efficient constrction.

■Characterization

- General

Product name:	SHARPIE Roofcaulk NB-Q
Product code	MSC1-20
Main component:	MS polymer
Class(JIS)	—
Consistency:	Paste
Mix ratio	—
Color	White,Grey, Black... (Refer to final page)
Storage	18Months
Viscosity(Pa · s)	300~500 ; 23℃
Application temperture	5℃~35℃
Service temperature	—50℃~150℃
Paintability	Good

- Base on JIS A 5758or JIS A 1439

Density (g /ml)		1.27
Tack-free time (min.)	23℃	35
Extrudability (sec.)	23℃	3~5
Nonvolatile (%)		93

■Application

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

- Curing properties

Curing condition	Thickness of skin forming			
	2mm	5mm	10mm	15mm
5℃*50%RH	2	>6	—	—
23℃*50%RH	1.5	2	6	—
50℃*50%RH	0.5	1	3	6

- Cured properties(JIS K 6251 Dumbbel-3)

50% Tensile stress	(N/mm ²)	0.30
Maximum tensile stress	(N/mm ²)	1.25
Elongation at break	(%)	375
Hardness	(shore A)	22





■ 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	0.30	0.87	375
After heating (80°C)	23°C	0.26	1.06	414
After immersion in water	23°C	0.23	0.81	440

with primer
P-50
Substrate :
Aluminum

■ Recommend primer

Recommend substrates	Product name	Note
Coated matel、concrete、ALC	Sharp Chemical 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 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	2.5	1.7	1.28			Loss rate 20% W: width. D: depth.
15mm			0.85	0.68	0.56	

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.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-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.
- 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

●Sealants

SHARPIE Roof calk NB-Q . . . 320ml cartridge x 10 /box 2boxes/bale
 ◇color : White, Ivory, Silver, Grey, Black, Dark red, Dark blue,
 Dark green, Dark brown, Bluish green

●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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