

## Product Name

## Sharpie Seal U2-NB



Two component Polyurethane sealant, Low modulus, High elongation

Good quality of cure and waterproof.

JIS A 5758 F-25LM-8020(PU-2) Certification

JSIA F☆☆☆☆

## ■Advantages

## ◇Excellent For Operation

Easy to operate, Cure Well

Almost independent of temperature

## ◇Stable Adhesion

Better adhesion effective, with recommended primer

## ◇Paintable

NO Bleed

## ◇Use Simply

NO color paste

## ■Application

• Joints of PCa panels, Prefabrication

• Joints of RC placing, ALC

• Terminal treatment of waterproofing sheet

• Repair of crack

## ■Technical Product Data

Product Name	Sharpie Seal U2-NB	Japanese Industrial Standards certification certification No. CE0508023
Sealant Classification	F-25LM-8020(PU-2)	
Shape: Base /Hardener	Light Yellow liquid/Pasty	

Based on JIS A 5758 &amp; JIS A 1439

Slump (mm)	Longitudinal	5℃	0
		50℃	0
	Lateral	5℃	0
		50℃	0
Elastic Recovery(%)			90
Tensile Properties (N/mm <sup>2</sup> )		【M100】	23℃ 0.2
			-20℃ 0.2
Cohesion properties at maintained extension			no failure
Cohesion properties after compression heating/tension cooling			no failure
Cohesion properties at maintained extension at Immersion in water			no failure

Density(g/ml)		1.25
Extrudability (sec.)	5℃	5
	23℃	3
Pot Life (h)	5℃	5
<with seasonal selection>	23℃	3
	35℃	2
Tack-Free Time (hour)	23℃	8
Loss Of Volume(%)		4
Durability(8020)		Pass

## Tensile Properties

Cure Condition	Test Condition	50% Tensile Stress (N/mm <sup>2</sup> )	Maximum Tensile Stress (N/mm <sup>2</sup> )	Elongation At Break(%)
After curing	23℃	0.13	0.65	750
After heating (80℃)	23℃	0.11	0.51	810
After immersion in water	23℃	0.11	0.58	720

with primer: primer P-50  
Substrate : mortar

## ■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	○	◎	
	Elastic lithin	○	◎	Adhesion ○: good △: normal ×: bad
Multi-layer finish	Acrylic silicone	○	◎	
	Elastic spray lithin (waterproof)	○	◎	Non-stain ◎: Excellent ○: good △: Slight (but not effected) ×: Bad
Thick layer finish	Synthetic stucco	○	◎	
Waterbase paint		○	◎	
Solventbase paint		○	◎	
Oilbase paint		×	×	

Do NOT applied on oilbase or phthalic oxidatively-polymerized paint

## ■Recommend Primer

Recommend Substrates	Product Name	Note
Coated Metal, Concrete, ALC	Sharpie Primer P-50	Non Yellowing (Weather Resistance) < High Viscosity Type>

- The surfaces to be bonded must be dry, free of oil, dust, grease and other contaminants. NO operation when it rains or snows.
- No good mixing, no cure well. Squeeze out all of base from Aluminum-pouch(as much as possible).
- NO application on the surface which contained volatile.
- Please paint in 7 days when it becomes tack-free. Since some paint happens crack, please do the pre-study.
- CAN NOT adhere to glass. The white one may be yellowing by UV.
- The sulfate gas will make the surface to brown.
- CAN NOT operate with silicone or modified silicone in the same time.
- CAN Not use at metal panel and crest table, because of weak weatherability and heat-resisting.
- When it is operated on high temperature and high humidity or wet substrate, forming maybe happen.
- After curing, it is needed to be covered by paint or waterproofing sheet.

Please operate the product according to following procedure

- 1) Pre-study and preparation
- 2) Pre-check
- 3) Seam/surface dust free and dried
- 4) Setup holder and accessories
- 5) Setup the masking tape
- 6) Primer apply (primer tack-off time: 30min/20℃)
- 7) Base / Hardner / mixing
- 8) Load the sealant into a caulking gun
- 9) Inject the sealant
- 10) Use a spatula to finish the joint.
- 11) Remove the masking tape
- 12) Clear up around
- 13) Check the operation

Design of standard joints (width and depth )		
Width allowable	max	40mm
	min	10mm
Depth allowable	max	20mm
	min	10mm

Recommand inject twice while width over 30mm

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

First	M-2	T-97	U2-NB
Second U2-NB	○	◎	◎

© : Applicable

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

M-2 not in priority

- Keep away from heat/sparks/static electricity/open flames/hot surfaces. No smoking.
- Do not breathe dust/fume/gas/mist/vapour/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

- Sealant

Sharpie Seal U2-NB      ....      4L×2set (base in aluminum-pouch and hardner in can)/Carton  
 ◇Color: White

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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