

Product name

SHARPIE Elastic Bond P-fixMSC1-07
JAIA F☆☆☆☆

SHARPIE P-Fix is a one component moisture cure type, modified silicone elastic adhesive. It was developed with the expectation of improving adhesion durability between various panels and adherents.

SHARPIE P-Fix exhibits a wide range of adhesion and excellent workability. The unique formulation prevents stringing even at low temperatures till 0°C.

SHARPIE P-fix is an ECO-friendly adhesive, does NOT contain any solvents or isocyanates that cause harm to the human body or our planet.

■ Advantages

◇Rapid cure type

-Shorten the construction time

◇Excellent for operation

-Good thixotropic, non-sagging

◇Environment-friendly

◇Strong adhesive to various materials

-Panels, Metal, Plasterboard, Calcium board, Wood, etc.

■ Applications

◇Adhesion of fragile materials

-Exp. stone, panel, mirror, tile.

◇Adhesion of materials with different coefficients of thermal expansion.

-Exp. plastics with metal, tile with plastic or metal.

◇Adhesion materials with uneven surfaces.

◇Adhesion to where with severe temperature changes.

■ Characterization

Product name:	SHARPIE Elastic bond P-Fix
Consistency:	Pasty
Main component:	Special Modified silicone polymer
Self-life:	18 months
Application temperature:	5°C ~ 35°C
Service temperature:	-30°C ~ 90°C * Without water penetrate to the adhesion surface boundary.



Based on JIS A 5758 & JIS A 1439

Density (g /ml)		1.40	Maximum tensile strength (N/mm ²)	1.40
Tack-free time (min.)	35°C	10	Elongation at break (%)	150
	23°C	20	Hardness (Shore A)	42
	5°C	50		
Nonvolatile (%)		98		

Tensile shear strength flaming retardant smoothly planed board (Melamine) with some substrates

Substrate	After curing 23°C * 7d	After immersion in water 23°C * 7d	Fracture modes	Unit: N/mm2
Melamine board × Plywood	0.25	0.73	Cohesion failure	Adhesion area: 25mm*12.5m m
Melamine × Calcium silicate board	0.20	0.62	Cohesion failure	Adhesive depth: 1mm
Melamine board × Mortar	0.97	0.43	Cohesion failure	Without primer
PVC panel × FRP	0.97	0.69	Cohesion failure	Tensile speed: 5mm/min.

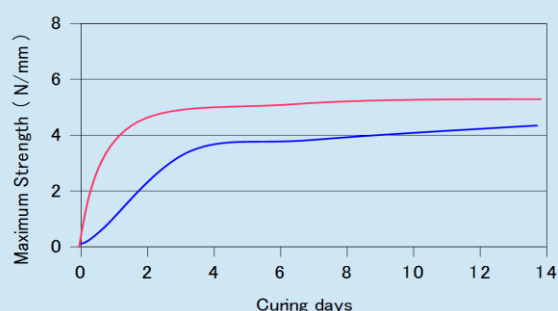
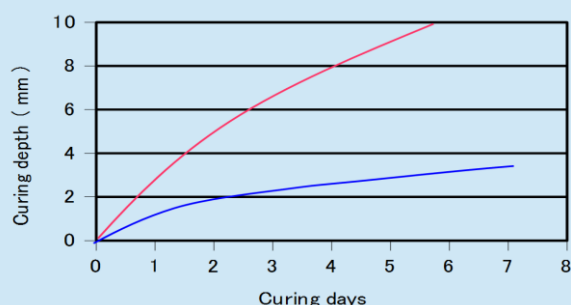
Tensile shear strength

Substrate	After curing 23°C * 7d	After immersion water 23°C * 7d	Fracture Modes	Unit: N/mm2
SUS × SUS	0.83	0.45	Cohesion failure	
Plywood × Plywood	0.95	0.55	Cohesion failure	
Slate × Slate	0.85	0.50	Materials failure	
Aluminum × Aluminum	0.80	0.63	Cohesion failure	Adhesion area: 25mm*12.5m m
Poly-carbonate × Poly-carbonate	0.43	0.35	A little Adhesion failure	Adhesive depth: 1mm
ABS × ABS	0.46	0.37	A little Adhesion failure	Without primer
Rigid PVC × Rigid PVC	0.81	0.52	Cohesion failure	Tensile speed: 5mm/min.
FRP × FRP	0.86	0.62	Cohesion failure	
Acrylic plate × Acrylic plate	0.31	0.23	Adhesion failure	

■ Recommend primer

Recommend substrates	Product name	Note
Coated metal, concrete, ALC	SHARPIE Primer P50	Non-yellowing aging

SHARPIE



After the operation of the depth of 10mm at 23/5°C, curing depth is measured at every predetermined time.

Every predetermined time, Peel strength T type
Adhesion area: 50mm*12.5mm Adhesive depth: 1mm
With no primer Tensile speed: 200mm/min.

■ Notice

- The surfaces to be bonded must be dry, free of oil, dust, grease and other contaminants.
- NO operation when it rains or snows.
- NO application on the surface which contained volatile.
- Use primer for brittle materials.
- Use it like strings or comb pattern.

- NO operation all area coated on plastics or metal of No-gas permeability.
- Use it by the depth of more than 1mm.
- CAN NOT operate on asphalt because of no-adhesion.
- CAN NOT operate on marble and glass because the application is out of considering

■ Attention

- Keep away from heat/sparks/static electricity/open flames/hot surfaces.
- 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

■ Packaging

SHARPIE Elastic Bond P-fix 320ml cartridge x10 /box
COLOR : Light grey; White

★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 willful acts any liability based on such recommendations or any oral advice is hereby expressly excluded.



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