

Product name **SHARPIE Peelable Sealant**

MSC1-12

One component sealant, Moisture cure type,
This modified silicone Peelable from metal, plastics, glass and so on.
Easy to detach but with good adhesion.
Shaped design whatever you want! More application on idea!

■Advantages

- ◇ Peelable
Peelable from most substrates(after curing)
Change your mind any time
- ◇ Transparent
Not visible even running off the edge
- ◇ Good elastic property
Excellent elastic rubber (after curing)

■Application

- Anti-slip
- Temporary fixing
- Adhesion of lightweight parts
- Slack stopper of the screw
- 3D masking

■Characterization

- General

| | |
|-------------------------|--------------------------|
| Product name: | SHARPIE Peelable Sealant |
| Product code | MSC1-12 |
| Main component: | Special MS polymer |
| Consistency: | Paste |
| Color | Transparent Pasty |
| Storage | 12Months |
| Viscosity(Pa · s) | 250 ~ 500 ; 23°C |
| Application temperature | 5°C ~ 35°C |
| Service temperature | -20°C ~ 90°C |
| Paintability | Possible |

- Curing properties

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

- Cured properties(JIS K 6251 Dumbbell-3)

| | | |
|------------------------|----------------------|------|
| 50% Tensile stress | (N/mm ²) | 0.30 |
| Maximum tensile stress | (N/mm ²) | 1.9 |
| Elongation at break | (%) | 400 |
| Hardness | (shore A) | 25 |

- Base on JIS A 5758or JIS A 1439

| | | |
|-----------------------|------|-------|
| Density (g / ml) | | 1.05 |
| Tack-free time (min.) | 23°C | 45 |
| Extrudability (sec.) | 23°C | 3 ~ 5 |
| Nonvolatile (%) | | 2 |

- Time for peelable

| Cured condition | Depth of curing skin | |
|-----------------|----------------------|----------|
| | 3mm | 5mm |
| 5°C, 50%RH | 48h~72h | 96h~120h |
| 23°C, 50%RH | 12h~24h | 24h~36h |
| 30°C, 50%RH | 6h~12h | 12h~24h |





- Tensile properties(JIS A1439)

| curing condition | Test condition | Maximum tensile stress (N/mm ²) | Elongation at break (%) |
|--------------------------|----------------|---|-------------------------|
| After curing | 23°C | 0.25 | 40 |
| After heating (80°C) | 23°C | 0.29 | 50 |
| After immersion in water | 23°C | 0.07 | 20 |

with No primer
Substrate : aluminum

- Tensile shear strength(JIS K6850)

| Curing condition | depth(mm) | Maximum strength(N/mm ²) |
|--------------------------|-------------|--------------------------------------|
| After curing 23°C, 7days | Press(<0.5) | 0.27 |
| | 1.0 | 0.08 |

substrate : Aluminium
adhesion area : 25mm*12.5mm
with NO primer
tensile speed : 5mm/min.

- Peel strength 180 degrees(JIS K6854-2)

| curing condition | depth(mm) | Maximum strength(N/mm ²) |
|--------------------------|-------------|--------------------------------------|
| After curing 23°C, 7days | Press(<0.5) | 0.05 |
| | 1.0 | 0.04 |

substrate : soft PVC
adhesion width : 12.5mm
with NO primer
tensile speed : 200mm/min.

- Substrate to be applied

☆ Good detachable or peelable

Aluminum, steal, SUS, Hard PVC, Soft PVC, PMMA, ABS, FRP, PC, PE, PP, EDM rubber

☆ Note

glass *Maybe hard to be peeled from, varied by surface conditions

ceramics siding *Maybe hard to be peeled from, varied by surface conditions / Maybe detach together with coating layer

mortar *After detach, stain may be visible to the components

slate *After detach, stain may be visible to the components

tile *Maybe hard to be peeled from, varied by surface conditions

granite *After detach, stain may be visible to the components

WOOD *After detach, stain may be visible to the components

paper *After detach, stain may be visible to the components

coating surface *Maybe hard to be peeled from, varied by surface conditions / Maybe detach together with coating layer

wall cloth *Maybe hard to be peeled from, varied by surface conditions / Maybe detach together with coating or wall cloth itself

wall paper *Maybe hard to be peeled from, varied by surface conditions / Maybe detach together with coating or wall paper itself
itself *Not peelable

valuables *Please don't use

■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.

SHARPIE

■Packaging

●Sealant

Sharpie Peelable・・・ 320ml cartridge x10 /box

◇ Color:Transparent

★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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