

# Maintenance Revolution!



## ■ Specification

Product name	<b>Sabi Goyou**</b>
Part Number	2m SLB-SG 25W-2M 5m SLB-SG 25W-5M
Material	Silicone Gum
Color	Translucent
Shape	Chevron
Width	25mm
Center thickness	1.0mm
Release film color	Pink

## ■ Properties

Product name	Sabi Goyou**
Examination	measured value
Specific Gravity	1.2g/cm <sup>3</sup>
Tensile Strength	50N/10mm
Elongation rate	600%
Hardness	40IRHD
Weather Resistant	no appearance change
Heat Resistant	-50~200°C
Chemical Resistant	weak acid and alkali
Dielectric breakdown strength	25kV/mm
Corrosion Proof	no appearance change
Flame Resistance	Flame Resistive
Food Hygiene act.	Ministry of health&welfare No.370
Material for water supply	suitable for bath standard

\*Number and Measured value is not standard value

\*\*Self-Fusing corrosion proof clear tape "Sabi Goyou"

## Self-Fusing corrosion proof clear tape "Sabi Goyou"

### ■Cautions before use

#### ○ Sabi Goyou instructions

Handle by hands may contain some dirt will decrease fusion and adhere efficiency. Please handle with thin vinyl gloves.

#### ○ Check object and remove dirt

This tape may split using areas have burr. Please remove burr and rust before use. Avoid to touch water and make sure that tape surface is dry.

#### ○ Suitable length

Please cut off the tape with suitable length before cover it on object. Cut both ends in tilt direction and remove release film before use. For Polymer-Ace, cut off after stick one side to object.

### ■Handling

#### ○ How to hold

Firmly hold with thumb and forefinger, do not grip with palm. This tape will certainly stick when strongly stretch, please wrap shorten hold and wrap.

#### ○ How to stretch

Please stretch overlap 2/3 (appr.17mm.)

#### ○ How to wrap

Please make sure that the tape cover all over area until complete bond.

#### ○ How to roll out

Roll out right and left side, make the tape covered more than half then roll out.

### ■Handling Caution

#### ○ Ensure Safety

When apply or take off this tape, please wear suitable safe guard such as safety eyeglasses and rubber gloves.

### ■Cautions for use

#### ○ Please use for maintenance purpose only.

○ Test before use, please make sure that you use it in proper purpose.

○ Keep out of reach of children, avoid direct sun ray and keep it in normal temperature.

○ Avoid dust and dirt on tape surface when use and keep it.

○ This tape can cut easily with cutter or sharp tools. Please be careful.

○ Please wash your hands after use.

○ Please do not use oily liquid such as gasoline, kerosene, thinner, toluene or organic solvent.

○ Please disposal follows local government guidance.

○ Please avoid use under water, covered tape may peel off.

○ Please read safety data sheet (SDS) before use. Please require us for SDS.

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- Data that mentioned on this catalogue is not standard value.
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In addition, purpose and application that introduce here is not guarantee for any patent conflict.

● Our silicone products intended for industrial application.

Please do not use for medical or others special application.

● Shin-Etsu Polymer's product or Shin-Etsu Polymer's product name that mentioned on this catalogue is our company or our subsidiary company or associated company registered trademark[®] or trademark[™].

● Others product name or proper noun are each company trademark [™] or registered trademark[®].

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**ShinEtsu**



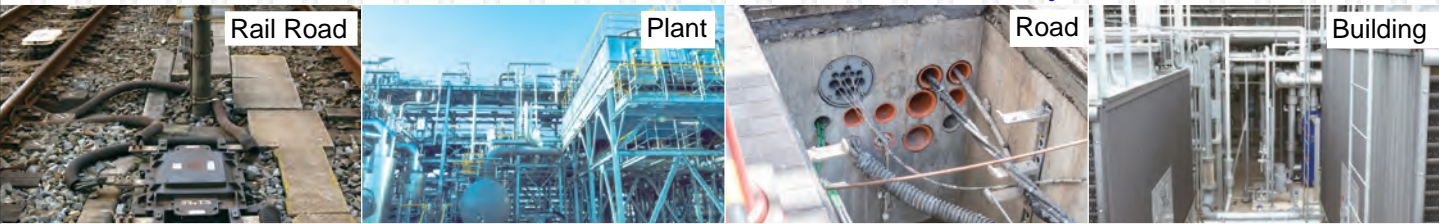
# Just wrap on pipe, easy way to stop metal corrosion for long time.

## New standard for pipe corrosion proof

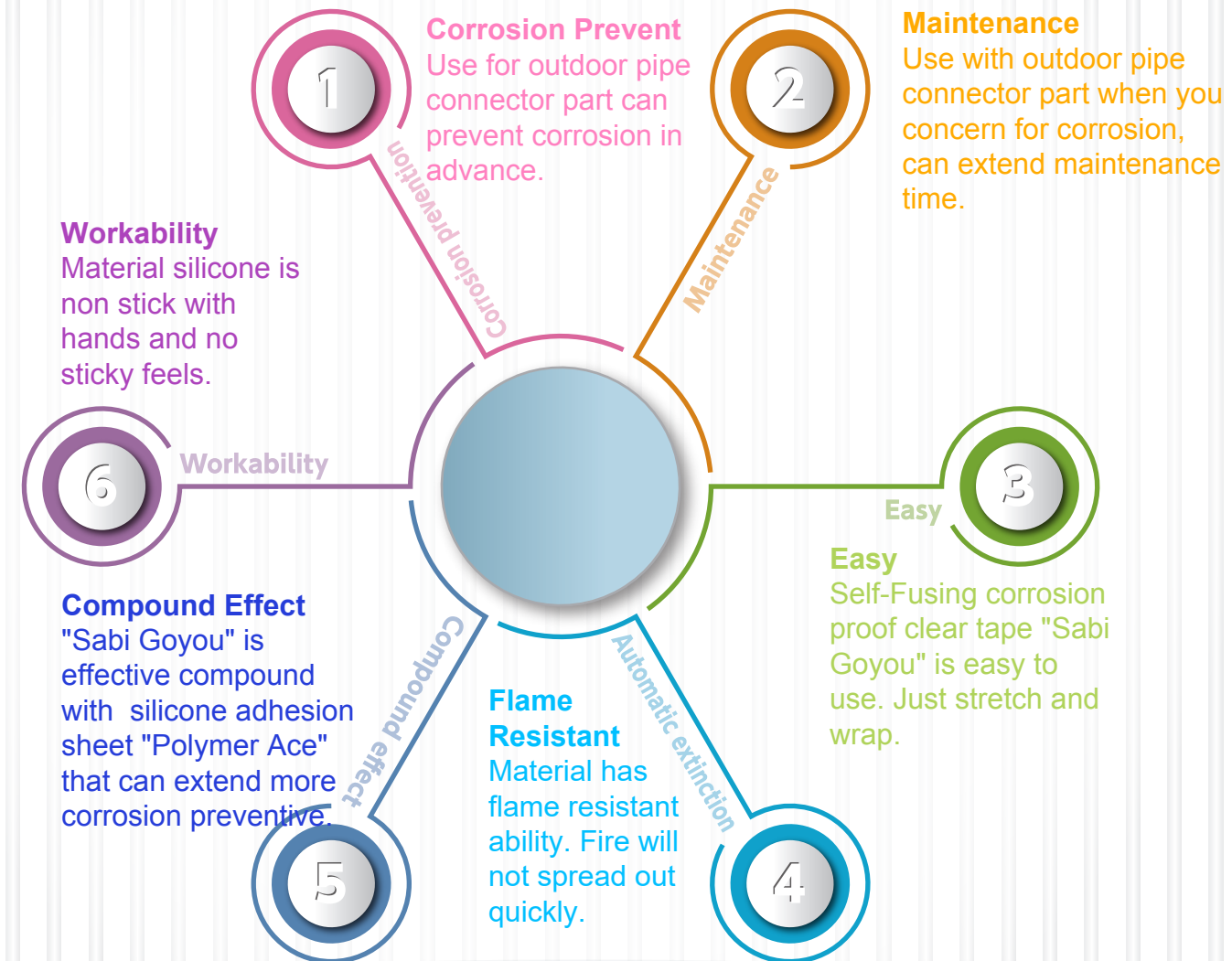
Self-Fusing corrosion proof clear tape "Sabi Goyou" is silicone tape that developed for pipe connectors corrosion preventive.(under a patent joint application with Eastern Japan Railway Company) Outdoor metal pipe or pipe connectors can apply for long-term metal corrosion proof.

Self-Fusing corrosion proof clear tape "Sabi Goyou" made from silicone material, just stretch and wrap, this tape will merge together. No adhesive and Plasticizer, no sticky mark left after peel off.

Silicone material has excellent weather resistant and durability.



Corrosion proof for every equipment that contain metal pipe threading part and welded part.



### Anti-corrosion (salt spray compound cycle test)

#### Test conditions

**[Test piece]** Self-Fusing corrosion proof clear tape "Sabi Goyou" 30 cm.

**[Adherend]** PLS15A (Polyethylene coated steel pipe)

1) coated screw with test piece 2) non coated

**[Test method]** based on JASO M 609, salt spray for 2hrs. dry for 4 hrs. moistening for 8 hrs. = 1 cycle. Operate 270 cycles.

#### Test result (270 cycles equal 20 years expose)

- Non coated : rust occur
- Coated screw with test piece has no rust occur, can proved excellent corrosion preventive.



### Flame Resistant

#### Test conditions

**[Test piece]** clear tape "Sabi Goyou" 1mm(thick)x125mmx13mm

**[Test method]** based on UL-94HB

set up test piece with horizontal burning device and operate burning test.

#### Test Result

- Burning speed is below examination criteria 75mm/min.

### Weather Resistant (ultra accelerated weathering test)

#### Test conditions

**[Test piece]** clear tape "Sabi Goyou" 5 cm. **ONYGIA YH C XQ** set up test piece to ultra accelerated weathering test machine (metal weather) as 40°Cx600hrs.

Check test piece for appearance change.

#### Test Result

- After 600 hrs. (equal 20years)
- no appearance change.

### Insulation

#### Test conditions

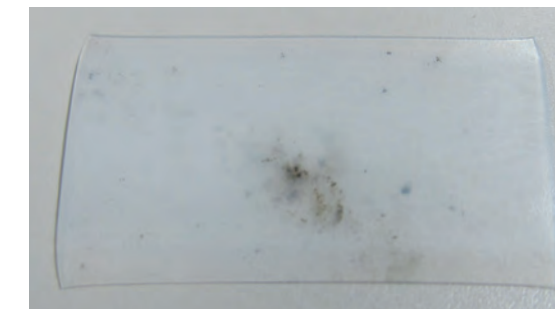
**[Test piece]** clear tape "Sabi Goyou" 5 cm.

**[Test method]** based on JIS C2110-1

Operate dielectric strength test

#### Test Result

- Dielectric breakdown strength 25kV/mm



### Mechanically Strength

#### Test conditions

**[Test piece]** clear tape "Sabi Goyou" 15cm.

**[Test method]** Set up Tensile strength machine with test speed 500mm/min for measure tensile strength and elongation

#### Test Result

- Stretching 10mm, Tensile strength = 50N
- Elongation rate = 600%

### Chemical Resistant

#### Test conditions

**[Test piece]** clear tape "Sabi Goyou" 5 cm.

**[Test method]** based on JISK7114, soak with various chemicals with fixed condition 24 hrs.

#### Test Result

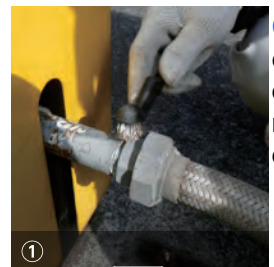
- Weak acid or alkali, no appearance change.
- Strong acid or alkali, test piece was soaked.

Chemicals	Temp	Change
Hydrochloric acid (10%)	40°C	○
(36%)		×
Sulfuric acid (10%)	40°C	○
(75%)		×
Nitric acid (10%)	40°C	○
(75%)		×
Acetic acid (5%)	40°C	○
Sodium hypochlorite		○
Sodium hydroxide	×	
Ammonium hydroxide	×	
Hydrogen peroxide solution	○	
Ethyl alcohol	23°C	○
Methyl alcohol		○
Toluene		×
Acetone		○
Ethylene glycol	80°C	○
Saline water (10%)	40°C	○

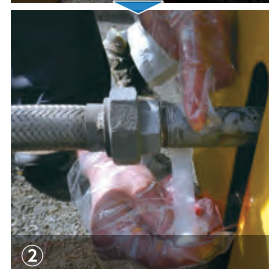
\* Data above show general chemical resistant not guarantee data.

Please consideration and confirm about usage conditions then when perform test.

### How to apply Self-Fusing corrosion proof clear tape "Sabi Goyou"



Check areas of use check wire and pipe dimensions and please remove trash, dust, mud or dirt before use.

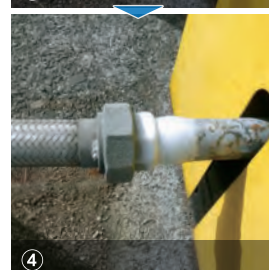


"Sabi Goyou" preparation Cover "Sabi Goyou" on object and cut off in suitable length with both ends tilt 45° then peel off release film.



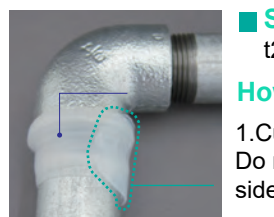
#### Wrap "Sabi Goyou"

Press and stretch "Sabi Goyou" at the center of pipe. Stretch tape overlap 2/3 (appr. 17mm.) then wrap the tape. Wrap in spiral direction overlapping half of object. For more water proof efficiency, stretch around 30 mm. of both ends and make it near to center when complete bond. Cover 2-3 layers for more efficiency.



### Certainly fixed when use "Sabi Goyou" with Polymer-Ace

#### Silicone Adhesive sheet "Polymer-Ace"



#### Specification

t2mmx25mmx75mm

#### How to use

1. Cut off suitable length by scissor. Do not remove release film for both sides.

2. Make sure that no soil, dust on Polymer-Ace surface. Do not remove release film before use.

3. Peel off one side of release film and pressure bond Polymer-Ace on the end part of "Sabi Goyou"

4. After check pressure bonding, peel off another side of release film and make sure its adhere.

※ Please contact us for further inquiry.