

# SHIP + AiD<sup>®</sup>

**Ready for any emergency**



**First aid kit for your ship**

Anyone can easily and quickly repair ships!

# SHIP + AiD<sup>®</sup>

High adhesion & pressure repair agent  
**RED EPOXY**



Red Label



White Label

EXP: 2 YEARS FROM  
MANUFACTURING DATE



# RedEpoxy

READY IN MINUTES



**For repairing & adhesion of any metals & resins !**

- Aluminum alloys, Cast irons, Copper & Copper alloys (Brass & Bronze), Magnesium and Magnesium alloys, Carbon steels, Stainless steels, Galvanized surface, PVC, CPVC, ABS, Fiberglass, Black polypropylene, Kyner.



Red Label / Base Resin    White Label / Hardener  
Epoxy Resin  
Content ea. 14.8ml

Approval of Food Sanitation Act No.370/595

**Wow!**  
**VERY HIGH PRESSURE**    **21 MPa**    **VERY HIGH ADHESION**

※It depends on the usage situation

<Features>

- High adhesion & pressure
- Easy & Quick
- Chemical resistance
- Quick repair by heat curing (with heat gun)
- Temp. limit -40°C ~ 176°C (Continuous use 148°C)

**Amazing adhesion which becomes a substitute for welding!**  
**You can repair hydraulic piping with this!**

<How to use> ※Use Heat gun

1. Remove moisture and oil from repair area and coarsen the surface with sandpaper.
2. Mix the base resin and hardener from the container in the same amount and leave it for 10 minutes.
3. Warm up the repaired area and uniformly apply red epoxy.
4. If you heat the repaired area with a heat gun (140°C) for about 20 minutes, it turns from red to gold.
5. Curing is complete when it turns to gold. It is ready to use after return to normal temperature naturally.
6. If the heating temperature is high, it bubbled and burn up. In that case, please retry from the beginning.

**Excellent Chemical Resistance**  
CFC, Petroleum, Toluene, Xylene,  
Plant Oil, Animal Oil, Lubricant Oil,  
Hydraulic Fluid & more



Take the same amount of base resin and hardener.



Mix and leave for 10 minutes



Apply after warming up the repair area and turn to gold after 20 min heating.



Curing is completed after return to natural temperature naturally.



(1500W / 100V / 60°C~550°C)



PIPING



HOUSE



CAR



SHIP

Usage is versatile

Watch the detailed usage of this product with the video.



<https://youtu.be/qCjYhJVlqes>

EXP: 2 YEARS FROM  
MANUFACTURING DATE



Instant adhesion repair material  
**RAPIDFIX**

**VERY  
POPULAR**

# RAPIDFIX™

DUAL ADHESIVE SYSTEM

DRINKING  
WATER LINE  
OK

**Instant repair of all materials !!**  
A new sense of repair agent that can be repaired to **holes, cracks, chips, breakage** by using liquid and powder.

※ Even liquid alone can be used as an adhesive.



※ When you want to increase strength, please repeat the above work.  
※ After hardening, rasping, holes and screw processing, painting are also possible.

● Metal, PVC, Plastic, Rubber, Wood, Pottery, Glass, FRP, Leather, and any materials

**Surprising instant repair!**

**Liquid and powder,  
in either order OK**



10 sets carton



One set package

**Super Strong**

Material	Adhesive : Ethyl cyanoacrylate (10ml) Welding powder : Oxide glass (10ml)
Curing time	A few seconds ~ several tens of seconds
Complete curing time	24 hours
Temperature	-55°C ~ 95°C
Pressure	50 ~ 70kg/cm <sup>2</sup> (It depends on the repair condition.)
JAN code	4560361000416

※ Please keep this product away from direct sunlight.  
Please do not put it in an excessively hot and cold place.  
Please do not refrigerated / frozen storage.

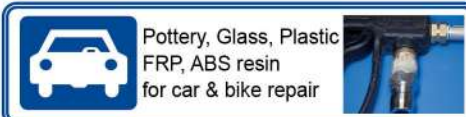
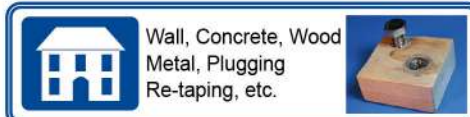
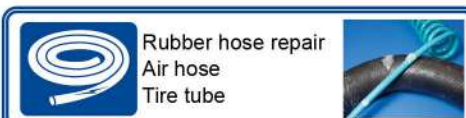
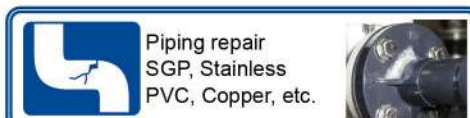
Approval of Food Sanitation Act No.370/595

Approval of ISO 10993-5

※ PP, PE, Styrene resin, Silicon, Paper  
Flourine are not applied.

※ The liquid does not cure in the container.

**It can be used for a wide range of applications  
and can respond quickly even in emergency case.**



◆ **Chemical resistance**

○ = Conformity x = Non-conformity

Ethanol	○
Acetone	x
Nitrite	○ (x Concentrated)
Gasoline	○
Benzin	○
Toluole	○
Xylole	○
Hydrochloric acid	○ (x Concentrated)
Sulfuric acid	○ (x Concentrated)
Phosphoric acid	○ (x Concentrated)
Sodium hydroxide	○ (x Concentrated)

Watch the detailed  
usage of this product  
with the video.



<https://youtu.be/H3iUW07chhl>

# Epoxy Putty RECTOR SEAL

All-purpose putty

EXP: 3 YEARS FROM  
MANUFACTURING DATE

TEMP.  
-40~200°C

**Tough & Durable !**

Harden like a metal in 15~20min after kneading.

**Just cut and knead it**

Easy to use putty type everywhere



If it attached like wrapping around piping, the pressure resistance will increase.

This product has layers of two components, combining by kneading and hardening.



EP-400 EP-200 EP-200W



EP-200 (24pcs) EP-400 (12pcs)

Approval of Food Sanitation Act No.370/20



The use is diverse, such as repairing holes and cracks, reforming the surface.

- ◆ Piping (Stainless, Copper, Steel, PVC)
- ◆ Air conditioner (Duct, Unit, Fan)
- ◆ Electrical machinery (Housing motor, Shaft)
- ◆ Industry (Equipment, Pump casing)
- ◆ Car (Oil tank, Engine block, Fan, Muffler, Oil pan, Radiator)
- ◆ Shipping (Hull, Piping, Pump casing)
- ◆ Agriculture (Tools, Machinery)
- ◆ DIY (Tile, Wall, Piping, Cabinet, Door)

## RECTOR SEAL

	EP-400	EP-200	EP-200W
Contents	112g	56g	56g
Color	Gray	Gray	White
Material	Epoxy resin		
Hardness	Shore D85		
Temperature	-40~200°C		
Pressure	10kg/cm <sup>2</sup>		
Tensile strength	420kg/cm <sup>2</sup>		
Compressive strength	1,260kg/cm <sup>2</sup>		
Elastic coefficient	6×10 <sup>3</sup> PSI		
Shear strength	49kg/cm <sup>2</sup>		
Insulation properties	400Volts/mil 0.125in		
Volume resistance	5×10 <sup>15</sup> Ω·cm		
JAN code	4560361000010	4560361000034	4560361000041

◆ Chemical resistance  
○=Conformity ×=Non-conformity

10%Acetic acid	○
2%Nitric acid	○
10%Sulfuric acid	○
10%Hydracid	○
Acetone	○
Xylole	○
Gasoline	○
Methanol	○
Ethanol	○
10%Hydrochloric acid	○
Caustic soda	○



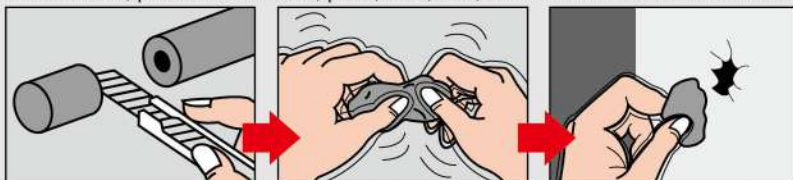
Watch the detailed usage of this product with the video.



<https://youtu.be/8Agr0v1s8qM>

### <How to use>※ Please repair under non-pressure.

※ First of all, please remove dirt, paint, dust, rust, oil etc. on the adhesion surface.



- ① Remove the packaging film and cut it in the required amount.
- ② Knead it for 1~2mins until there is no color unevenness.
- ③ Embed and mold so as to press against the adhesive / filling spot.

- ※ If you use a wet cloth or wet spatula, it will be beautiful finished.
- ※ When the temperature is low, the time to complete hardening becomes longer. Please use at temperature above 5°C .
- ※ Please be careful as excessive kneading and redoing of molding after adhesion will cause poor adhesion and poor hardening.
- ※ Recommend to combine with Quick Tape and Arlon Tape for piping repair.

- Cover Rector Seal by Quick Tape for additional strength.
  - Cover Arlon Tape by Rector Seal for protection.
- ④ Harden and adhere in 15~20mins. It can be done tapping, buffing, painting and etc. after completed hardening (1 hour)

EXP: 2 YEARS FROM  
MANUFACTURING DATE

# Self fusing silicon tape ARLON TAPE GRAY

Not slippery in water !

TEMP.  
-50~200°C

It's available for Air, Water,  
Sea water, and Aux. steam.

DRINKING  
WATER LINE  
OK

Just wind while  
pulling strongly !

You can stop leakage  
under pressrue !



SRG-38  
Wide type

SRG-11

SRG-5

SRG-2

Width 25mm / 38mm  
Please use according  
to the pipe diameter.

Watch the detailed usage  
of this product with the video.



<https://youtu.be/MKwJscGoqrl>

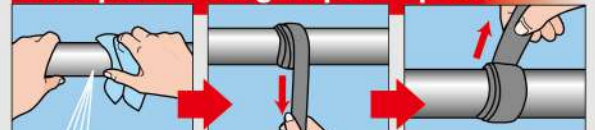
## Arlon Tape Gray repair example

When pulling strongly while winding it, the tapes will self-fuse, and they will adhere to broken parts such as piping and hose leakage, bleeding, pinholes and gaps.

Repeat to wind the tape until stop.

Since it does not adhere to piping, any material can be repaired.

### Example of leakage repair of pinhole



Clean a repair spot.

Cut the tape to 20~30cm  
and overlap winding it  
while pulling strongly.

Complete if leakage stops.  
If it is still leaking, continue  
to overlap winding the tape  
until the leakage stops.

## ARLON TAPE GRAY

	Product size	Applicable dia.	Qty	JAN code
SRG-2	W 25 x L 2000mm	Under 50A	24	4560361000331
SRG-5	W 25 x L 5000mm	Under 50A	12	4560361000348
SRG-11	W 25 x L 11000mm	Under 50A	6	4560361000355
SRG-38	W 38 x L 6000mm	Under 100A	8	4560361000362

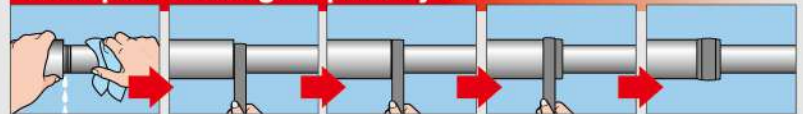
### Chemical resistance

○ = Conformity X = Non-conformity

Material	Silicone rubber	10%Acetic acid	○
Pressure	1.0MPa	2%Nitric acid	△
Tensile strength	8.0MPa	10%Sulfuric acid	X
Temperature	-50°C ~ 200°C	10%Hydracid	○
Coefficient of extension	600%	Acetone	X
		Xylole	X
		Gasoline	X
		Methanol	○
		Ethanol	○
		Ammonia	△
		Antifreeze	○

Approval of Food Sanitation Act No.370/201  
Approval of JIS K6353(Rubber for water)  
US military standard compliant goods (MIL-I-46852C)

### Example of leakage repair of joint



Clean a repair spot.

Overlap winding  
the tape around  
a low level spot.

Continue until be a  
same level.

Overlap winding  
the tape around  
a leakage spot.

Complete !

- Press the end of the tape against it while pulling finally.
- Since it does not adhere to piping, the wound tape can be easily removed with scissors.
- Recommend to combine it with Quick Tape or Rector Seal for protection after completion.
- It can be used in either direction on both sides.

Only wet and wind  
**RECTOR HIGH TAPE**

**Harden in 30mins**

**For pipe leakage and breakage**



**TEMP. -15~210°C**

EXP: 2 YEARS FROM MANUFACTURING DATE

**It solidifies like a metal and can be repaired permanently.**

**DRINKING WATER LINE OK**

**Strong Bond**

**Various uses**  
 Please select the size according to location and purpose.



- ◆ Repair for water, air, aux. steam and oil piping in factories & plants.
- ◆ Repair for elevated tank, septic tank, toilet bowl and other tank.
- ◆ Repair for plastic molding machine, construction machine and oil feed pipe.
- ◆ Repair for ship equipments during long voyage.

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 Approval of EPA601 / Approval of AS4020

**Easy work just to wet & wind**

Easy to handle, anyone can work quickly and easily.  
 It is available for plastic, steel, lead, copper, stainless, concrete, ceramic, glass, PVC and etc.  
 Ideal for piping repair of all materials.

**(How to use) ※ Please repair under non-pressure.**

- ※ Close the root valve of the piping and hose before repair, and relieve pressure. Remove oil, rust and other dirt from the repair spot. Please be sure to wear the supplied gloves before work.



- ① Soak the tape in water (sea water/muddy water) for 20 ~ 30 seconds.
- ② Wind strongly while pulling the tape, and use up all the tape.
- ③ Fit in piping to squeeze the tape, and don't allow air to enter without gaps.

- ④ Bubbles come up from the tape after a while, keep making the tape fit in piping due to loose the tape during bubbling (about 10~15mins). It hardens in 30~40mins at outside temperature 21°C. Wipe by alcohol after completion if required surface finish. It can be sanded and painted also.

- Cover Rector Seal by High Tape for additional strength.
- Cover Arlon Tape by High Tape for protection.



Watch the detailed usage of this product with the video.



<https://youtu.be/5UQuvOAJfuE>



◆ Chemical resistance  
 ○=Conformity x=Non-conformity

20%Acetic acid	○
20%Nitric acid	○
75%Sulfuric acid	○
20%Hydracid	○
Methyl alcohol	○
10%Ammonia	○
Gasoline	○
Kerosene	○
Toluene	○
37%Hydrochloric acid	○
Corn oil	○

**RECTOR HIGH TAPE**

**Contents** ● Glass fiber tape (Aluminum packed) ● Rubber gloves ● Pat

	RH-1	RH-2	RH-3	RH-4	RH-5
Size(mm)	W25xL750	W50xL750	W50xL1500	W75xL2700	W100xL4500
Applicable dia.	Under 15A	Under 20A	Under 40A	Under 80A	Under 150A
Material	Glass fiber cloth tape				
Num of turns	6~8 windings				
Hardness	Shore D53				
Temperature	-15~210°C				
Pressure	10kg/cm <sup>2</sup>				
JAN code	4560361000058	4560361000065	4560361000072	4560361000089	4560361000096

Usage : Repair and reinforce pipes and hoses for metals, plastics, PVC, FRP, ceramics, glass, rubber.  
 Particularly suitable for piping using chemicals and oil.

EXP: 2 YEARS FROM  
MANUFACTURING DATE

TEMP.  
-15~200°C

Only wet and wind  
**RECTOR QUICK TAPE**

**Harden in 3mins**

**Significant shortening of construction time for fast fixation!**



**It can be repaired permanently.**

Easy work that just wets and winds, repair and reinforcement of piping is completed at once.  
Fixed in just 3 mins, hardened in 20 mins.  
Greatly shortening your working time!

**It can be used for a wide range of materials such as any metal, ceramic PVC and etc.**

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Approval of EPA601 / Approval of AS4020



QT-1 (12pcs)  
QT-2 (8pcs)  
QT-3 (6pcs)



Watch the detailed usage of this product with the video.



<https://youtu.be/rXRcGkJS0S8>

**RECTOR QUICK TAPE**

**Contents** ● Glass fiber tape (Aluminum packed) ● Rubber gloves ● Pat

	QT-1	QT-2	QT-3
Size(mm)	W25xL600	W505xL1200	W75xL2400
Applicable dia.	Under 25A	Under 505A	Under 80A
Material	Glass fiber cloth tape		
Num of turns	6~8 windings		
Hardness	Shore D60		
Temperature	-15~200°C		
Pressure	12.6kg/cm <sup>2</sup> (ASTM D 1599)		
JAN code	4560361000157	4560361000164	4560361000171

◆ Chemical resistance  
○=Conformity ×=Non-conformity

20%Acetic acid	○
20%Nitric acid	○
75%Sulfuric acid	○
20%Hydracid	○
Methyl alcohol	○
10%Ammonia	○
Gasoline	○
Kerosene	○
Toluene	○
37%Hydrochloric acid	○
Corn oil	○

Usage : Repair and reinforce pipes and hoses for metals, plastics, PVC, FRP, ceramics, glass, rubber.  
Particularly suitable for piping using chemicals and oil.

**Easy work just to wet & wind**

Easy to handle, anyone can work quickly and easily.  
It is available for plastic, steel, lead, copper, stainless, concrete, ceramic, glass, PVC and etc.  
Ideal for piping repair of all materials.

**<How to use> ※ Please repair under non-pressure.**

※ Close the root valve of the piping and hose before repair, and relieve pressure.  
Remove oil, rust and other dirt from the repair spot.  
Please be sure to wear the supplied gloves before work.



- Soak the tape in water (sea water/muddy water) for 20 ~ 30 seconds.
- Wind strongly while pulling the tape, and use up all the tape.
- Fit in piping to squeeze the tape, and don't allow air to enter without gaps.
- Bubbles come up from the tape after a while, keep making the tape fit in piping due to loose the tape during bubbling (It fixes in 3mins). It hardens in 20mins at outside temperature 21°C. Wipe by alcohol after completion if required surface finish. It can be sanded and painted also.

- Cover Rector Seal by Quick Tape for additional strength.
- Cover Arlon Tape by Quick Tape for protection.

# UV curing repair material RECTOR SUN SHEET

## FRP Sheet



EXP: 1 YEAR FROM  
MANUFACTURING DATE

# Just cut & paste it to the necessary size at the repair spot!

## Easy to use with a sense of sticker for various repair.

**15 mins hardening  
with sunlight  
(UV ray)**



**PIPING**



**ROOF**



**TANK**



**OUT DOOR**



**SHIP**



**SLIDER**



**Before**



**After**

● Mold from the back of the bumper with Sun Sheet.

● Finish the surface with resin.

※ It's a repair example using Uni Solar in combination.

### RECTOR SUN SHEET UV600

Material	Glass fiber UV curable epoxy acrylate resin
Size(mm)	150×220 Thickness 1.5mm
Temperature	-20~100℃
Tensile strength	115MPa Elastic modulus 8.8GPa
Bending strength	235MPa Elastic modulus 7.8GPa
Breaking extension	1.5% Impact strength 45KJ/m <sup>2</sup>
JAN code	4560361000140

Usage : Repair and reinforce damaged and corroded parts such as steel plate, steel piping, FRP, glass, ceramic, PVC, and hardened vinyl chloride.  
※ It may peel off for deformable materials.



### Other Uses

- Piping repair
- Sewer pipe welding reinforcement
- Steel, copper, stainless
- Air conditioning equipment
- Emergency repair of ships
- Repair of outdoor equipment (FRP boat / PWC / Fishing rod)

- ※ Usage prohibited
- Polyethylene
  - Polypropylene
  - Polycarbonate

Watch the detailed usage  
of this product with the video.



<https://youtu.be/muaX3d3KFBM>

### <How to use>

- 1 Smooth the repair surface with sandpaper, and remove oil with a degreasing agent.
  - 2 Cut the sheet with scissors according to the pasting area.
  - 3 Peel off only one side of the transparent film from the sheet and paste it on the repair spot.
  - 4 Adhere closely with rollers to remove air bubbles inside the sheet.
  - 5 Irradiate sunlight or UV light, and harden the sheet.
  - 6 After curing, peel off the remaining film on the sheet surface.
- ※ Remove dust, mud and oil in repair spots.  
※ If water is out, stop water and dry the surface before using.
- ※ Please be careful not to put in the air when pasting. (Remove the air with roller or hands.)
- ※ The surface temperature of the repair spot should be less than 80°C.  
※ Avoid outdoor work in rainy weather.



EXP: 2 YEARS FROM  
MANUFACTURING DATE



Uni Solar Hard

UV curing repair material  
**UNI SOLAR**

**Gel type**

# For repairing cracks & holes !

Hardening to irradiate sunlight or UV light.  
Special gel quickly repair cracks & gaps.  
It's suitable for emergency repair of tanks & piping.



Uni Solar Soft for soft  
materials such as PE tanks.

**UNI SOLAR SOFT**



100g



100g

**GEL TYPE**



Uni Solar Hard for repair of  
pressure part such as pipings.

**UNI SOLAR HARD**

## UNI SOLAR

	Soft	Hard
Material	UV curable epoxy acrylate resin	
Tensile coefficient	4.6×10 <sup>3</sup> psi	
Extension rate	5-6%	
Bending strength	1,540kg/cm <sup>2</sup>	
Bending coefficient	4.9×10 <sup>3</sup> psi	
Compressive strength	2,240kg/cm <sup>2</sup>	
Deformation temp.	105°C	
Hardness	Barcol 35	
Permittivity	3.38	
Shear strength	304 stainless 800 psi	
JAN code	4560361000188	4560361000195

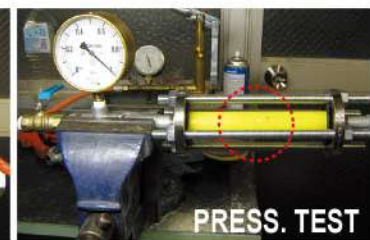
Usage : Repair and reinforce damaged and corroded parts such as steel plate, steel piping, FRP, glass, ceramic, PVC, and hardened vinyl chloride.

※ It may peel off for deformable materials.

Watch the detailed usage  
of this product with the video.



<https://youtu.be/rBut9fTKpG>



**UV-LED Flashlight that will cure  
Sun Sheet & Uni Solar quickly after repair.**

*Work in indoors or place  
where ultraviolet does not hit*



Specialized for quick curing of SUN SHEET  
and UNI SOLAR. Type-C rechargeable for  
easy use anytime, anywhere.

**NEW!**  
**UV-LED FLASHLIGHT**

CHARGE	Type-C (FOR CHARGE) Approx. 2.5 Hr (0 to 100%)
S P E C	3.7 V 2000 mAh 7.4 Wh
WEIGHT	47.0 g

### <How to use>

- ① Dry the surface, remove the dirt and the oil with a degreasing agent, and roughen the surface with coarse sandpaper to improve adhesion.
- ② Squeeze Uni Solar in the shade, and apply to the repair spot.
- ③ Irradiate with UV light or sunlight for about 3 mins.  
If you paste a transparent film on the surface of Uni Solar, then block the air and cure it, it will be a clear and beautiful finish.

※ When Uni Solar Hard is felt hard, adjust the hardness by adding a small amount of acetone.

※ Since UV is difficult to reach deeply, the one with 1~2 mm of overcoating is better in the curing condition.

※ If the surface does not dry even when irradiated with UV for more than 10 mins, the surface will dry out by wiping with a industrial alcohol.



UV curing type leakage repair material

# LEAKAID



## MAIN FEATURES

- ① Lipophilic before hardening, oil resistant after curing !
- ② Harden in 1 second with UV ray, slow leakage can be cured even it's leaking
- ③ No drop on vertical surface, gap can be filled
- ④ Removable after hardening

**TEMP.**  
**-40~150°C**

Effective repair material with

**"Adhesive on oil surface" and "Quick hardening" functions !**

Revolutionary repair material which can be used for OIL, WATER, and GAS leakage by UV curing. Strong adhesive, effective for the leakage which conventional putty could not stop.

### How to use



① Stir the material



② Apply on leakage area



③ Quick hardening with UV ray



④ Completed !

Effective especially for the leakage on **OIL, AIR, and REFRIGERANT PIPES** where is difficult to remove oil from the surface.

**FOR HEAVY USE!**

Valuable size **180g**

P/No.: LL-100-LA180G



Entry model **10g**

P/No.: LL-100-LA10G



### Adhesive property (with #1000 surface preparation)

<b>EXCELLENT</b>	Stainless, Iron, Acrylic, Glass, Brass, Aluminum, Copper, etc..
<b>GOOD</b>	PP, PT etc.
<b>POOR</b>	Silicon, Teflon, etc.

\*Depends on material

### Durability

- Mineral Oil : Good!
- Synthetic Oil : Depends on its component

**NEW!**

**UV-LED FLASH LIGHT**

TYPE-C (FOR CHARGE)



\*Flash light is included in SHIP+AID Standard and Delux



<DEMO MOVIE>  
<https://vimeo.com/374886073>  
Password : LLJ1  
(all capital letters)

EXP: 2 YEARS FROM  
MANUFACTURING DATE



# Fiberglass sheet tape POW-R PATCH



# POW-R PATCH



**Holes, crack repairing... multi-purpose usage !**  
**Tanks, Pipes, Flat / curved surface... for all over places !**

**Strong adhesive**

**Sheet tape type repairing material**

**Apply for all kind material**

**Adhesive in 15 min.**

**10 Pressure**  
**kg/cm<sup>2</sup>**  
**TEMP. -17~170°C**

**for PIPE repairing !**



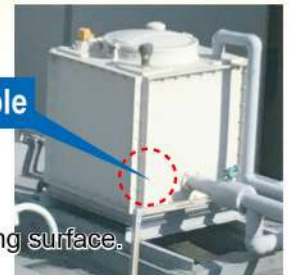
**Overlap winding !**



**"POW-R PATCH" is a fiberglass sheet tape with epoxy resin which have developed in the United States. It applies for all materials, such as metals, PVC, etc. Adhesive in 15 minutes after mixing tape and hardening agent. Safety use for both temporarily repair work and long term use. Saving your time and cost !**

**Tank repairing example**

Remove fluid and release pressure, then clean up the repairing surface.



## Kit List

- Fiberglass tape
- Rubber Glove

\* Working Glove is not including, please prepare by your side.

	PA1015	PA1030
Size	100×150mm	100×300mm
Type	Fiberglass fabric tape	
Color	Semitransparent	
Hardening time	5-8minutes in appearance, 15 minutes hardening	
Temperature	-17~170°C	
Hardness	(shoreD) 79	
Tensile modules	@23°C 2900Mpa 420,000psi	
Chemical resistance	Good for Gasoline, Acetic Acid (20%), Hydraulic oil, Muriatic Acid (20%), Kerosine, Toluene, Sea Water, etc.	
JAN code	4560361000515	4560361000522

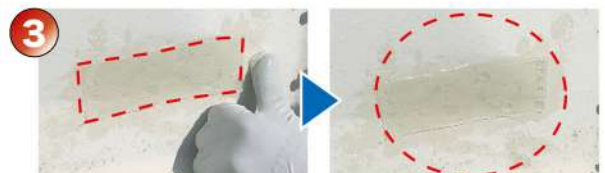
\* Use together with Rector Seal on page 3, for drinking water pipes and tanks.



\* Remove the partition bar between Hardener and Fiberglass tape.  
\* File the surface for more strong adhesive



\* Mix the Hardener and Fiberglass tape very well (approx. 90 seconds). Then take out from the pack. \* Fiberglass tape is overlapped in the pack.



\* Put on the repairing surface, and press the sheet not to have gapbetween the repairing surface. Then harden in approx. 15 minutes.

\* Possible to put as double-folding for more pressure and tough use.  
\* Color turns to light-yellow after few days.

## CAUTION

**Wear heavy working gloves beneath the Rubber Gloves.**

- \* Pay attention not to get burned by high temperature (40~70°C) when repairing.
- \* Dip in more than 60°C hot water in case of crystallization whitening. Then it turn back to normal and can be used as usual.
- \* There is "12 pcs package hanger" for sales display.

# High Temperature putty LAB-METAL

## Aluminum putty



EXP: 2 YEARS FROM  
MANUFACTURING DATE

# For repairing the high temp. flange surface

**Easy-to-use for** Lab-metal (Standard)  
**single component putty !**

# Harden like a metal Cont. service temp. **537°C**

**Single component aluminum putty**  
**It has excellent adhesion to metals**  
**such as aluminum, steel and stainless,**  
**and wood, resin, glass and the like.**

It is a multipurpose metal putty with good useability of single component type and strong adhesion. Adhesion and repair of damaged parts for molds, vehicles and boilers, and painting of welded parts. Heat resistant temperature is 537°C Hi-Temp type and 176°C Standard type.

If dilute it with a diluent, can apply brush and spray. Furthermore, polished after hardening it will shine like a metal.

It's suitable for repairing a surface of high temperature flange such as a cylinder head cover of main engine.



Usage : Repair and mold for metal, glass, ceramic, stone, concrete, plastic, wood and etc.

※ To use this product, a mixture of toluene and acetone 1:1 is required.  
(MEK and toluene 1:1, or even acetone alone can be substituted.)

### LAB-METAL

	Standard (R)	Hi-Temp (H)
Hardness	Shore D81	
Expansion coefficient	15×10 <sup>-6</sup> inch/inch per°F	
Tensile strength	45.4kg/cm <sup>2</sup>	
Compressive strength	1,400 kg/cm <sup>2</sup>	
Component	Aluminum	
Specific gravity	1.95 at 24°C	
Temperature	-40~176°C	-40~537°C
Contents	336g	336g



Lab-metal (Hi-Temp)



1 Welding joint of steel frame



2 Dilute and apply it with brush



3 After curing, buffing for finish



4 Electrostatic coating is possible

EXP: 6 MONTHS FROM  
MANUFACTURING DATE



High Temperature putty  
**RESBOND**  
Ceramic putty

〈WATER SOLUBILITY〉

# Stop the high temp. gas leak !



**Easy-to-use for  
dispenser tube type !**



Sealing of exhaust ducts

Flange forming of exhaust pipings

## Cont. service temp. **1,287°C**

For adhesion and sealing of high temperature part, protection and reinforcement of connection part. It is a high-performance repair agent with strong adhesion to all metals and ceramics and corrosion resistance to most solvents and chemicals.

### Repair Agent of Boiler

- ◆ Repair of expansion joint crack
- ◆ Repair of flange gas leakage
- ◆ Repair of refractory

### Other

It's suitable for a sealing material for diesel engines, gas turbines and turbochargers, for a repair agent for high temp. parts of incinerators and exhaust gas systems.

### RESBOND 907GF

Temperature	1,648°C (Max. temp.) 1,287°C (Cont. ope. temp.)
Compressive strength	105kg/cm <sup>2</sup>
Expansion rate	5%
Permittivity	3.0 (at 10 <sup>3</sup> cps)
Volume resistance	10 <sup>9</sup> Ω·cm
Insulation properties	145 volts/mil
Heat conductivity	6.0 (at 260°C)
Shrinkage ratio	2%
Contents	112g

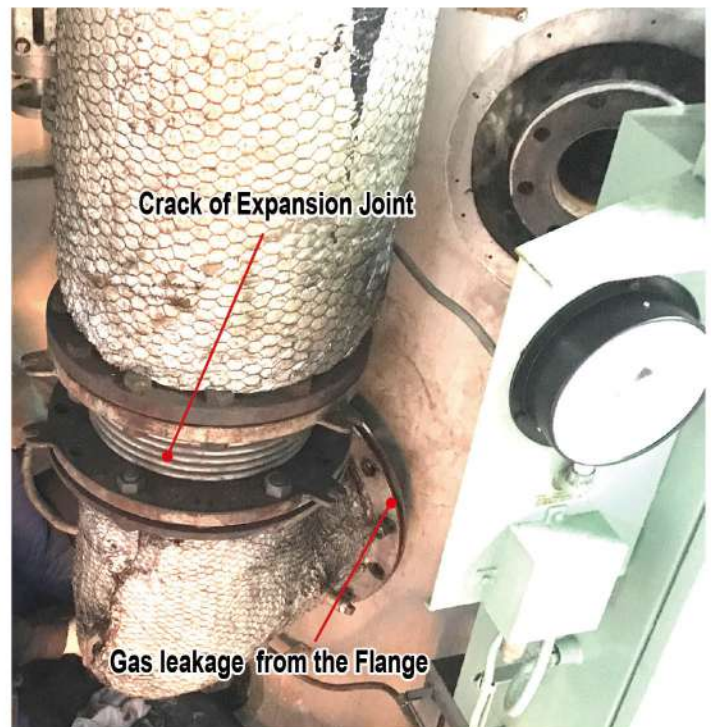
※ Curing time 24hrs

Usage : Adhesion, sealing and protection of high temperature part and piping such as metal and ceramic. It can be used for most chemical products and solvents.

※ It can not be used in areas exposed to water leakage and water.



Breakage of Refractory



Crack of Expansion Joint

Gas leakage from the Flange

Watch the detailed usage  
of this product with the video.



<https://youtu.be/fKNIPJlIvYA>



# AQUA STICK



EXP: 1 YEAR FROM  
MANUFACTURING DATE

Bondable, fillable for both "underwater" & "wet surface"



# AQUA STICK



Built-in type underwater forming epoxy resin filling adhesive material



150ml

underwater adhesive  
**No.1 Effect**



50ml

It forms water-resistant bonding membrane when using under water & wet surface by the intermolecular bonding effect.

\*Compliant to Water Quality Criteria



## How to use AQUA STICK

\* Wipe the rust, oil, and dirt off from the bonding surface before use.



1. Take out from bottom and cut in round slice.



2. Squash material by spatula or trowel.



3. Mix until the color turns to uniform milky-white.



4. Paste like wiping and hold until harden.

## Usage of AQUA STICK

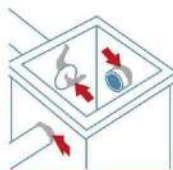
### Various metals

Concrete, FRP, and Vinyl Chloride, etc.

\*surface preparation needed for stainless



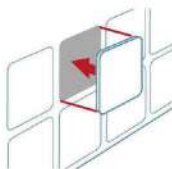
Pipe leakage  
Repairing



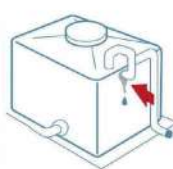
Catch-basin  
Repairing



Hume pipes  
Repairing



Tiles  
Bonding



Tanks  
Repairing



Ceramics  
Bonding

Hardening Time	60~180 min.[25°C]
Heatproof Temp.	56°C
Compressive Strength	920kgf/cm <sup>2</sup>
Tensile strength	650kgf/cm <sup>2</sup>
Bending strength	1,120kgf/cm <sup>2</sup>

	Main Agent	Hardener
Shape	Stick	
Specific gravity	1.16	1.10
Appearance	Clear	Milky-White
Component	Modified Epoxy	Modified Polyamine

※ Test result data based on our testing procedures. Your using condition is beyond our jurisdiction.

### CAUTION

- Do not use other than specific purposes.
- Make sure the working area is well ventilated.
- Be careful not to adhere to the skin, and wear protecting mask, gloves, and safety goggles if necessary.
- Wipe off immediately when adhered to the skin, then wash with soap and water sufficiently.
- Take medical examination if necessary, such as becoming unwell case.
- Store in a cool and dark place. Expiry date is 1 year from manufacturing date.
- Use it up as soon as possible after opening.
- Dispose wastes under the disposal regulations.
- Keep, store and dispose in safe to prevent infant and children from touching.

Non-slip 2 components type lining material



Watch your steps

# NON-SLIP COAT



## Safety ensuring starts from **YOUR FEET** upwards !

Main component of Non-slip coat is epoxy resin, which is excellent in its adhesive force and chemical resistance. Also containing Silica and Ceramic filler improved its durability, revolutionary lining material with high fire-retardant performance corresponded to UL-94 V-0

\*Following preparation is required before below procedures : "1.SURFACE PREPARATION, 2.PASTING MASKING TAPE, 3.STIRRING"



1. Drop the mixed non-slip coat directly to the painting surface

2. Spread to a uniform thickness around 1~2mm by rubber spatula

3. Use the special made roller for rough-patterning.

4. Wait to be harden



### 5.0kg set

- Main agent 4.5kg
- Hardener 0.5kg



### Features

- High-performance non-slip effects for the materials which could be a cause of slip, such as water, oil and dust.
- Stick very well with base material and hardly peel off. (Metals, Concrete, Asphalt, etc.)
- No need of a primer treatment except rarecase. One-time easy painting by exclusive painting roller. In order to increase adhesive strength on painting surface of hot-dip galvanizing, optional exclusive primer (M-Primer) available.
- Having self-extinguishing function, corresponded to the world standard of fire resistance "UL-94 V-0"
- Excellent resistance function of water, chemical, and wearing.

### Usage

- PCC, ladder, stair, etc.
- Rampway of Ro-Ro ferry.
- Slippery area due to water, oil, etc.
- Top board of dangerous / non-dangerous tank, stairs, dike, etc.
- Stairs, passage, lift car path, truck yard around factory and office area. (Also for surface protection purpose)

#### ● Exclusive Primer (Optional)

M-Primer (1-Liquid type) NET 1kg (Painting area 8 m<sup>2</sup> ~ 10 m<sup>2</sup>)

#### ● Exclusive roller for Non-Slip Coat (Optional)

Paper tube roller (standard) : 100mm×Φ38mm× 3 pcs/bag  
 200mm×Φ38mm× 2 pcs/bag

Short bristle roller (for checkered plate) : 100mm×Φ38mm× 2 pcs/bag  
 230mm×Φ38mm× 2 pcs/bag

### <Notes of base material>

- Please ask before painting on special base material, such as "Color-crete", "Chemi-crete", or dust-proof coating. It peels when paint on such special base materials directly.
- Surface have to be polished by #40 sandpaper when painting on FRP.
- Please ask before painting on large content of glass components surface, such as granite.
- Be aware of dew drop when painting on metals in humid or winter season.
- Not adhesive on glass, silicone, and thermoplastic materials.

#### CAUTION

Refer and follow the guidance on the SDS for health cautions.

	NON - SLIP COAT	PAINT+GRINDING STONE	NON - SLIP TAPE
Anti-slip	Excellent	Poor	Good
Operability	Excellent	Poor	Good
Fire resistance	Excellent	Poor	Poor
Wear resistance	Excellent	Poor	Poor
Corrosion resistance	Excellent	Very Good	Poor
Off limit period	1Day	2Days	0Day
Actual heat resisting temp.	Excellent	Excellent	Good

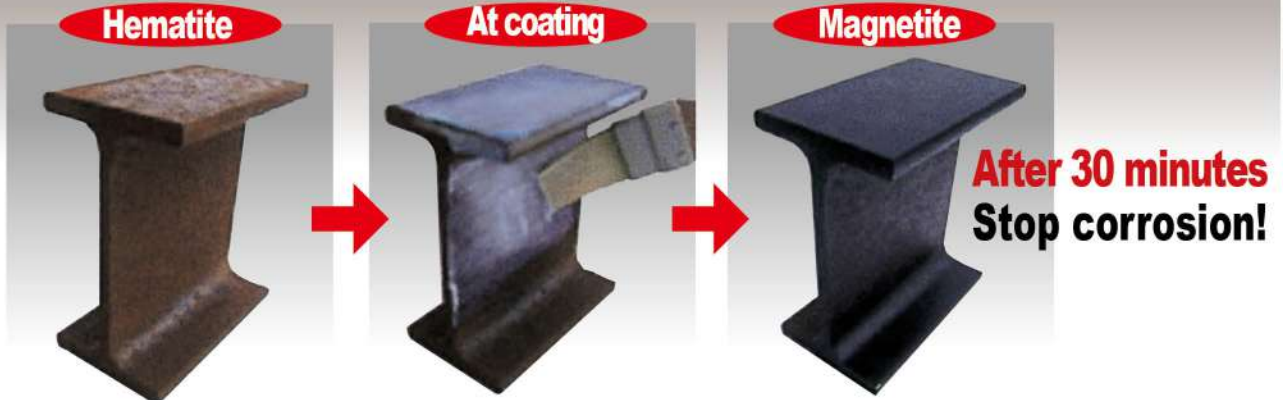
Strongly prevent iron corrosion!  
**SELECT COAT - SABI CHANGE**

**Rust conversion agent**



**Stop corrosion by chemical change!**

It's more powerful than rust preventive paint.



**Red rust (hematite) turns into black rust (magnetite)  
 Strongly prevent iron corrosion!**

**Are you troubled with rust ?** ● Deck ● Handrail ● Piping ● Valve  
 ● Flange ● Tank ● Machine tool

**Easy to prevent rust!**

**AQUEOUS PAINT**



1kg/16kg

**SELECT COAT - SABI CHANGE**

Material	Aqueous silicone acrylic resin paint	
Contents	1 kg	16kg
Surface Preparation	SP3 / Hand tool cleaning (Keep red rust)	
Application	2~3Layers	
Coating Method	Brush or Spray coating	
Qty for application	150~200g/m <sup>2</sup> /Layer	
Painting interval	2~3hours	
Drying time	3~4hours (20°C)	
Temperature	130°C	
JAN code	4560361000287	

- ※ Agitate this paint thoroughly before painting.
- ※ Make sure there is no uncoated area.
- ※ In coastal areas or salt damage environments, 3 yayers coating is recommended.
- ※ To keep a stable rust preventive effect, must overpaint on it.
- ※ Recommend to overpaint on this paint after 24hrs if the medium is strong.
- ※ It's easy to clean a brush after painting for aqueous paint.
- ※ If water is applied on this paint before drying, it may become white as other aqueous paints.  
 Pay attention to the weather and its surroundings so that it will not be exposed to water during painting.

**<How to use> Hand tool cleaning (SP3) is enough for the surface preparation !**

**No fire work required !**



Apply SABI Change after the surface preparation (SP3).



Turn into black rust about 30 mins. ※Drying time 3~4hrs



After drying, overpaint with general paint.





Stainless coat (Spray type)

Just spraying will be stainless steel!

# STAINLESS COAT

Stainless steel paint

Just applying!

## SUS316-L Coating!

Deck, Funnel, Cable tray

Piping, Valve, Flange

Bolt, Nut, Air vent

Long Life



Anti-corrosion

Anti-rust

Weatherability

### ■ SPRAY TYPE



650°C  
for Funnel  
Exh. gas piping

#### Standard / PU Type

It is a long-term exposure type that exerts excellent effects on rust prevention and corrosion protection in the atmosphere such as corrosive gas and sea breeze.

#### Super Bright / SB Type

The color tone is bright, and mirror finish is possible by polishing after hardening. With the same finish as stainless steel material, it is also ideal for repairing weld burnign of stainless steel.

#### High Temp. / SIL Type

It has heat resistance up to 650°C and can be used mainly for high temperature exhaust gas piping and such as boiler and incinerator, funnel.

### STAINLESS COAT / SPRAY TYPE

	PU-200A	SB-200A	SIL-200A
Material	SUS316-L Pigment		
Pencil hardness	6H		
Flexibility	2mm 180°		
Contents	200mL		
Temperature	-50~110°C	-40~110°C	-62~650°C



### ■ BRUSH·ROLLER TYPE

Spray guns can also be used!



● Standard PU Type

● Super Bright SB Type

● High Temp. SIL Type

Type	Contents
PU, SB, SIL	1L, 4L, 18L
EP	2L, 8L, 36L
Primer*	5K, 10K, 20K

● Heavy-duty Anti-corrosion EP Type

\* We also have the primer coating for Stainless coat.

### ■ PUTTY TYPE

SUS316-L main component  
High-performance putty



Forming repair of chip, gall and erosion for metal and casting.

### STAINLESS COAT / PUTTY TYPE

Material	SUS316-L, Epoxy hardener
Temperature	-50~200°C
Contents	900g
* Curing time : 24hrs	

\* Since each type does not contain any harmful substances, it can be used for any material.

No Need!  
Acid Pickling

Weld burning of stainless steel ▶▶▶ Just coating with **STAINLESS COAT**

BEFORE

Easy Finish !

AFTER



\* Super bright /SB type is used.

# RESIST CHEMICALS, HEAT, OIL WONDER COAT

EXP: 1 YEAR FROM  
MANUFACTURING DATE

## FLUOROLYMER COATING

# Wonder Coat FC-700

ワンダーコートシリーズ

フッ素樹脂系コーティング材料

Max. Temperature 250°C

High Chemical Resistance

Fuel Oil & Gasoline



This coating compound with fluoro-resin is high-performance and resistant to chemicals, high temperature, oil, and insulation. It can be used for caulking, sealing, coating, and lasts a long time in harsh environments. It does not contain silicone resin or generate siloxane gas. It has no odor and can be applied safely.

### Chemical Resistance

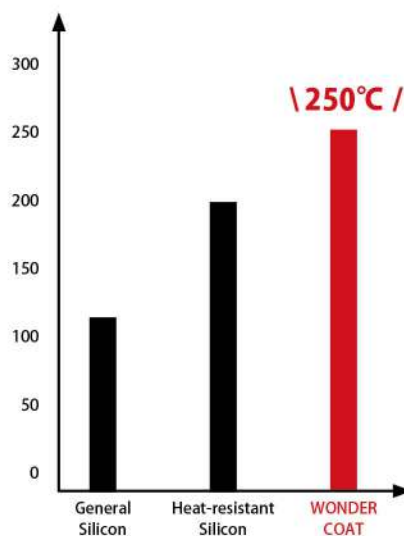
Sodium hydroxide (30 %)	◎
Hydrogen chloride (30 %)	◎
Sulfuric acid	◎
Nitric acid (60 %)	◎

### Oil Resistance

Kerosene	◎
Gasoline	◎
Fuel oil	◎

\*Volume change rate for immersion time 7 days at room temp.  
※◎: 0~5 %

### Temperature Resistance



### Usage

- Exhaust ducts
- Pipe flanges
- Drainage channels.
- Areas requiring acid & alkali resistance
- Areas requiring heat resistance
- Chemical pipes without pressure
- Areas where oxygen or oil liquids are used
- Electronic parts

### How to Use

1. Clean the surface you're applying to.
2. For cartridges, cut the cartridge gun to the right width, break the aluminum film with a screwdriver, and set the cartridge gun in place.
3. Apply the coating at the same thickness as the nozzle to prevent air from entering.
4. Don't move until it cures.

### Caution

1. Do not use the product for any purpose other than its intended use.
2. Ensure good ventilation when working.
3. Avoid skin contact when handling. Wear protective mask, goggles, gloves, etc. as necessary.
4. In case of eye contact, rinse immediately with water.
5. If irritation occurs, discontinue use immediately and seek medical attention.
6. For tube type, close cap tightly after use.
7. Do not store at high temperatures or in direct sunlight.
8. Use as soon as possible after opening the container.
9. Store in a safe place out of the reach of children and infants.
10. Dispose of in accordance with applicable laws and regulations.

EXP: 1 YEAR FROM  
MANUFACTURING DATE

DRINKING  
WATER LINE  
OK

FAST & STRONG ADHESION

# MIRACLE 5

MULTIPURPOSE ELASTIC ADHESIVE

HT-BOND ミラクルシリーズ

# MIRACLE 5

速乾強力接着・初期接着大・環境にやさしい



**Shockproof**

**Heatproof**

**Waterproof**

## ELASTIC ADHESIVE

Elastic bonding absorbs shock and vibration. It is also resistant to temperature changes and waterproof. The paste form is also suitable for construction of uneven surfaces. Bonds to a variety of materials including concrete, tile, slate, aluminum and other metals, rigid PVC, ABS, FRP, iron and stainless steel.

## FAST & STRONG

"Miracle 5" is one-component and dries quickly. There is no need to weigh or mix the main and hardener.

## WATER QUALITY CRITERIA

"Miracle 5" conforms to water quality criteria, so you can safely apply it around drinking water.

### GENERAL PROPERTIES

Material	Modified urethane
Color	White / Gray
Viscosity (Pa · s / 23°C)	250,000 mPa · s
Specific	1.4 ± 0.05

### CURING TIME

Pot life	2 minutes after applying
Tack-free	3-10 minutes
Curing time	20 minutes

### CHEMICAL RESISTANCE

Water	140 kg / cm <sup>2</sup>
Saline solution (10 %)	160 kg / cm <sup>2</sup>
Gasoline	165 kg / cm <sup>2</sup>
Machinery oil	225 kg / cm <sup>2</sup>

※ JIS6251 Tensile speed: 50 mm / min

## Usage

"Miracle 5" can be used in combination with various other applications such as bonding, waterproofing, caulking, repairing, sealing, etc. with just this one.

### ADHESION

- Saddle bands, leveling bands and other metal support fittings
- Waterproof surfaces and roof surfaces where fasteners cannot be used
- Use in conjunction with screws
- Waterproof ALC, thin walls and other areas where screws cannot be used
- Outdoor unit racks, solar racks, etc.
- Waterproof fixing of wheel stops
- Kitchen panels
- Decorative mirrors
- Tiles and sanitary ware

### WATERPROOF, CAULKING

- Gaps around pipes
- Around drain
- P-Con and FRP tanks
- Sealing waterproofing terminal treatment
- Waterproofing of insulation
- Leakage prevention around electrical equipment
- Caulking of concrete cracks

### REPAIR

- Cracks and joints in drainage PVC pipes
- Concrete racks
- FRP and stainless steel tanks
- Grease traps
- Roof sections

### SEALING

- Seal for screw piping
- Fixing of bolts
- Drainage PVC pipe
- Between metal and resin

GREAT ADHESION

# HT-Bond 777

2-COMPONENTS, FAST-DRYING ACRYLIC

DRINKING  
WATER LINE  
OK

EXP: 6 MONTHS FROM  
MANUFACTURING DATE



STRONG! FAST! RELIABLE!

# HT-Bond 777

MULTIPLE APPLICATIONS

## Welding-Like Adhesion for Metal Mastery

Two-component adhesive with strong bonding strength. It has a low odour and high safety profile and can be used on metals, wood and concrete. After curing, it has high strength and elasticity, making it resistant to impact. It can also be slightly oiled.

### BONDING METALS

Some metals, like iron, stainless steel, aluminium and copper, can be bonded together. Different metals can stick together.

### WELDING SUBSTITUTUTE

Useful in small spaces where welding is difficult or where temperature changes should be avoided. It lets you work safely without firearms.

### SEALING SCREWS

The product prevents screws from loosening or falling out. Seals screws used in areas with impact and vibration.

### EMERGENCY REPAIR FOR PIPES

Dries quickly, so you can repair cracks and pinholes instantly. The product is water-quality tested, so it can also repair water pipes.

### JOINT COPPER PIPES

Joining copper pipes used for refrigerant piping.

### HT-Bond 777

Material	2-component liquid acrylic
Temperature	150 °C
Curing time	15 minutes (25°C)
Tensile shear strength	150-250 kg / cm <sup>2</sup>

#### ◆ Chemical resistance

	Tensile shear strength
Water	140 kg / cm <sup>2</sup>
Saline solution 10 %	160 kg / cm <sup>2</sup>
Gasoline	165 kg / cm <sup>2</sup>
Machinery oil	225 kg / cm <sup>2</sup>
Hydrochloric 10 %	120 kg / cm <sup>2</sup>
Odium hydroxide 10 %	125 kg / cm <sup>2</sup>
Methanol	90 kg / cm <sup>2</sup>
Water (80°C)	80 kg / cm <sup>2</sup>
Acetone	60 kg / cm <sup>2</sup>

\* The values are measured when copper sheets are bonded with this, cured for 24 hours at 25°C, and then immersed in the chemical for 250 hours.

#### [How to Use]

1. Clean any dirt, oil, or moisture on the surface.
2. Mix A and B together in equal amounts.  
Make sure the mixture is uniform in color and condition.  
*\*It dries fast, so mix only the necessary amount.*
3. Apply evenly to the dried surface.
4. Allow to rest until fully cured.

EXP: 1 YEARS FROM  
MANUFACTURING DATE

# STRONG & FAST TOUGH RUBBER PUTTY NEO

2-COMPONENTS URETHANE

## Repair Damaged Rubber Back to Original-Form



### Applications

- Repair rubber parts like conveyor belts and bellows.
- Restoring airtightness of butterfly valves and manholes.
- Leakage repair of vibrating pipes, flanges, boxes, etc.
- Preventing noise from metal collisions.
- Protection of surfaces exposed to collisions.
- Adhesion between rubber materials.

This repair compound adheres to metal and rubber. When cured, it becomes a tough, elongated, rubber-like material with excellent impact and abrasion resistance. Because it is in paste form, it can be used on vertical surfaces.

### Excellent properties

Provides a highly flexible and durable repair. It is impact resistant and can protect base materials. Also effective in reducing noise and vibration. Heat resistant up to 80°C. Can be used in a variety of environments.

### Multiple Applications

Repair rubber products with wall filler to prolong their life. It's resistant to impact and abrasion and can repair leaks in vibrating equipment. Bonds rubber materials together for flexible repairs.

### Easy and Efficient

It's easy to apply and mix. It can be used on wall surfaces. It cures quickly, so repairs can be made quickly and efficiently. It can be applied evenly to any shape or size.

### Tough rubber putty NEO

Mixing ratio	9 : 1	
Color	Base resin : Transparent yellow Hardener : Black	After mixing : Black
Viscosity	Base resin : 20000~20040 mPa · s Hardener : 200~240 mPa · s	
Pot life	6~9 minutes	300 g , 25°C
Tack-free	30~40 minutes	Thickness: 5 mm , 25°C
Curing time	7~10 hours	Thickness: 5 mm , 25°C
Specific	1.02	
hardness	shore A 80	JIS K 7215
Tensile strength	10~14 MPa	JIS K 7113
Elongation	400~450 %	JIS K 7113
Tear strength	52~59 N/mm	JIS K 7113
Tensile shore strength	Cohesive Failure : 6.2 MPa Adhesive Failure : 0.6 MPa	SPCC Rubber for conveyor belts
Temperature	80 °C	
Coatable area	0.118 m <sup>2</sup>	
Volume	Base resin : 0.54 kg Hardener : 0.06 kg	

#### [How to Use]

1. Wipe off dirt, oil, and moisture from the surface.  
Clean the surface until metal and rubber are exposed.
2. Mix the main and hardener 9:1.  
Make sure the color and condition are uniform.  
**\* Measurements should be accurate.**
3. Apply evenly to the repaired surface. Adjust thickness as needed.
4. Curing time at 25°C is about 7-10 hours.  
Heat curing takes about 2.5-3 hours at 60°C.

Repair rubber lining  
inside condenser flange



Repair rubber part of  
butterfly valve



Repair rubber lining of  
circulating water pipe manhole



Repair of conveyor belts for  
coal transport



First aid kit for your ship

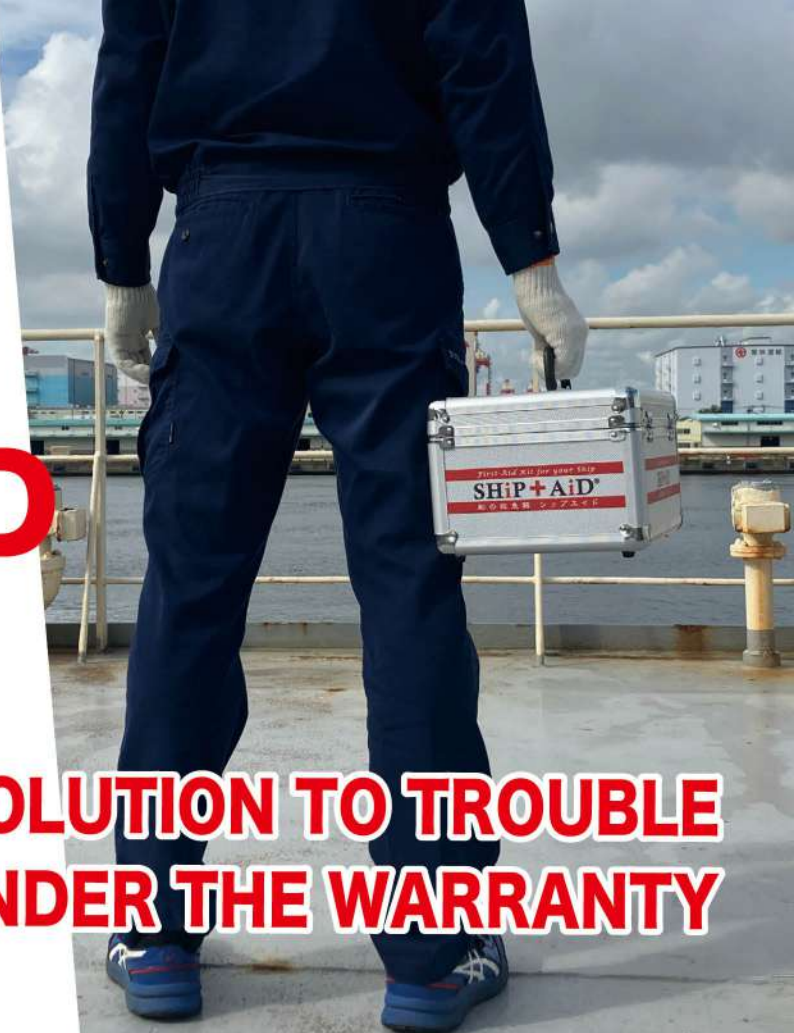
# SHIP AID

Repair agent kit

# EVEN SHIPYARD



## SOLUTION TO TROUBLE UNDER THE WARRANTY



### WITH INAUGURATION

By equipping it on new ships, it supports the crew in maintenance and preserving the ship.

### FIRST AID UNTIL DOCKING

By applying suitable first aid, it eliminates the need for emergency arrangements.

### DAILY TROUBLES

Water, steam, and oil. It resolve various troubles faced by ship.

## REPAIR ANY POINT OF THE SHIP, FROM ENGINE ROOM TO DECK,

### Your ship's doctor, just like **your home doctor.**

There is full after-sales support available;

- Proposal suitable repair materials and methods to resolve trouble that occur on ships,
- Inventory systems to supply repair material for SHIP+AiD.

SHIP+AiD is not just a first aid kit,

it is your vessel's doctor,

just like your home doctor.



## 3 of the merit of SHiP+AiD

1. In a pinch, you can rush to the scene to take in hand the “SHiP+AiD” without hesitation. Every time, without having to look for a required repair materials, everything is OK, if you have a “SHiP+AiD”!
2. Superintendent, chief engineer & the crew can have the common recognition for the repair agent has been standing in your ship. In “right repair agent on the right spot”, anyone can be reliably repair!
3. The contents of “SHiP+AiD” always be kept constant quantity, it is possible to inventory management. The prevention of “Three No” : “No more” & “No longer available” when needed, are “No more”.



### SHiP + AiD®

Based on the advice from superintendents of ship management company, we gathered the repair materials, which are needed for ship repair, in this one. When considering to introduce SHiP+AiD, please try the standard version for your ship at the first as trial.

※Overseas shipment is available for this item.

(W18×L18×H18cm/1.5kg)

### SHiP + AiD® Deluxe

This is including a product lineup that also supports large diameter piping and “Red Epoxy” which can repair high pressure hydraulic piping. Heavy users who want to repair anything in your ship, please consider deluxe version by all means.

※Overseas shipment with this set content is not possible, due to some dangerous goods are included, alternative products will be dispatched for overseas shipment.

(W21×L36×H20cm/3.3kg)

## SHiP+AiD usage example

- Repair of various piping leaks (water, sea water, air & oil)
- Repair of aux. steam piping leaks
- Repair of exh. gas piping leaks
- Repair of hydraulic piping leaks
- As a reinforcing material to a thinned portion
- Repair of pump casing
- Alternative repair at areas that can not be welded
- Repair of expansion joint crack
- Repair piping under pressure

## 《SHIP+AiD REPAIR AGENT LIST》

Product name	Page	Model No.	Content / size	SHIN SHiP+AiD Standard	SHIN SHiP+AiD Deluxe	Num of orders*2	Remarks
RED EPOXY	1	—	Base resin(Red) 14.8ml Hardener(White) 14.8ml	—	1set		
RAPIDFIX	2	—	Adhesive 10ml Welding Powder 10ml	1set	1set		
RECTOR SEAL	3	EP-200	56g	2pc	2pcs		
		EP-400	112g	1pcs	2pcs		
		EP-200W	56g	—	—		
ARLON TAPE GRAY	4	SRG-2	W25 x L2000mm	—	—		
		SRG-5	W25 x L5000mm	1pc	1pc		
		SRG-11	W25 x L11000mm	—	—		
		SRG-38	W38 x L6000mm	1pc	2pcs		
RECTOR HIGH TAPE	5	RH-1	W25 x L750mm	1pc	1pc		
		RH-2	W50 x L750mm	—	—		
		RH-3	W50 x L1500mm	1pc	1pc		
		RH-4	W75 x L2700mm	1pc	1pc		
		RH-5	W100 x L4500mm	—	1pc		
RECTOR SUN SHEET*1	7	UV600	W150 x L220 x T1.5mm	—	1sheet		
LEAKAID	9	LA10G	10g	1pc	1pc		
		LA180G	180g	—	—		
POWER PATCH	10	PA1015	W100 x L150mm	—	1sheet		
		PA1030	W100 x L300mm	—	—		
RESBOND	12	907GF	112g	1pc	1pc		
AQUA STICK*1	13	—	50cc	—	—		
		—	150cc	—	1pc		
UV-LED FLASHLIGHT	8	UVL-2	Type-C	1pc	1pc		
HEAT GUN	1	RHG-1500	1500W 100V 50/60Hz	—	—		

※1 It can not be shipped overseas with other goods due to dangerous goods.

※2 When restock with the repair agent, please copy the above list and use it as a purchase order form.



Scan the QR code so that you can watch movies which illustrates usage of products.

SHIP+AiD

<http://ship-aid.com>

For SHiP+AiD inquiries

# N.Y.CO.,LTD.

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<http://www.ny-tokyo.com>