# ThreeBond

# **ThreeBond General Purpose Product**





Sealants are used for sealing inner fluids and preventing leaks. We have a broad range of sealants suitable for all manner of uses, ranging from sealant for gas piping that has excellent gas sealability to liquid gaskets applied to flanges for various types of industrial equipment.

#### **Liquid Gaskets**



#### TB1101

This is a non-drying type solventless liquid gasket. It has excellent water resistance and seawater resistance. It is possible to use it together with solid sheet gaskets because there is almost no effect on rubber.



#### TB1119

This is a room-temperature curing type two-component fluorinebased liquid gasket. It has excellent heat resistance and chemical resistance, and in addition to oil resistance, it also has excellent resistance to substances such as gasoline, gas oil and organic solvents.



#### TB1207B

This is an acetone type single-component, moisture-curing, silicone-based liquid gasket for FIPG. It has a fast curing speed, and it becomes a flexible cured material, so it has excellent displacement conformability on joint surfaces. It can be used for engine oil and LLC uses.



#### TB1215

This is an oxime type single-component, moisture-curing, silicone-based liquid gasket. It has relatively low viscosity, so it is easy to apply. It has excellent water and oil resistance, and can be used for general-purpose sealing applications.



#### TB1105

This is a volatile solvent type liquid gasket that uses NBR as the main component. It forms a dry membrane that has excellent peelability.



#### TB1184

This is a solvent-vaporizing type general purpose liquid gasket. It has rubber-like elasticity after curing. It has excellent padding ability, making it effective for joint surfaces with large clearances. It has excellent chemical resistance. It is available in different colors and viscosities. (Gray, cream, black)



#### TB1209

This is an acetone type single-component, moisture-curing, silicone-based liquid gasket for FIPG. It has excellent heat resistance, and can be used continually within the range of -40°C to 250°C (approximate) (at 300°C for short periods).



#### TB1220G

This is a paste-like fluid type product. Alcohol based, as such there are no influences such as corrosion on metals and plastics. It can be used in a temperature range from -60°C to 200°C (approx.). It is available in different colors and viscosities. (Milky white, white)



#### TB1109J

This sealant can be used in high-temperature ranges such as on vehicle mufflers, and uses water glass as the main component. It can be used in a temperature range from -40°C to 400°C (approx.).



#### TB1206D

This is an alcohol type single-component, moisture-curing, modified silicone-based liquid gasket. It is paintable, so it can be painted after assembly. It is available in different colors and viscosities. (Gray, white)



#### TB1211

This is an oxime type single-component, moisture-curing silicone-based liquid gasket. It has low viscosity, so it is easy to apply. It has excellent water and oil resistance, and can be used for general-purpose sealing applications.



#### TB1226

This is a tin-free product. Alcohol based, as such there are no influences such as corrosion on metals and plastics. It has excellent electric insulation.



#### TB5211 series

This is a caulking agent with silicone resin as the main component that has good adhesion, weather resistance, freeze resistance, and heat resistance. Rubber elasticity is maintained over a wide temperature range from -60°C to 200°C (approx.). It is available in different colors. (White, Clear, Gray, Ivory, Black, Aluminum, Amber)



#### TB5222 series

This is a caulking agent that uses modified silicone resin as the main component. It has excellent heat and freeze resistance. It is paintable, so it can be applied to cured materials. It is available in different colors.

(White, Gray, Ivory, Black)



#### TB5264B

This is a primer for improved adhesion for silicone and modified silicone. Adhesion can be further improved by coating and drying it onto a substrate in advance.





#### TB1110F

This is an anaerobic curing acrylate-based sealant for general pipes. Sealability is effective immediately, and it can prevent pipe galling due to its lubricity from the fluorine powder.



#### TB4221

This is a volatile solvent type sealant for hot water supply pipes that uses synthetic resin as the main component. It is compliant with the Japan Water Works Association standard JWWA K146. It is available in different colors. (Gray, white)



#### TB4320B

be sealant
This is a solventless-type sealant for hat uses
gas piping that uses alkyd resin as the main component. It is an with the exclusive product for city gas. It is ation applied in tubes with a rotating nozzle for excellent workshilltv.



#### TB1110G

This is an anaerobic curing acrylate-based sealant for general pipes. Sealability is effective immediately. It has excellent removability. It can also prevent pipe galling due to its lubricity from the fluorine powder.



#### TB4230

This is an alcohol type silicone-based sealant for hot water supply pipes. It is compliant with the Japan Water Works Association standard JWWA K146 and K142. It is mold-resistant.



#### TB4332C

This is a single component solventless sealant for gas piping that uses deamidated silicone as the main component. It can be used for natural gas, city gas and LP gas.



#### TB4002

This is a volatile solvent type sealant for metallic pipes that uses synthetic resin as the main component. It can be used in a temperature range from about -30°C to 130°C.



#### TB4314D

This is a sealant for gas piping that uses special synthetic rubber as the main component. After drying, it has rubber-like elasticity with excellent vibration resistance and impact strength. It can be used for both city gas and LP gas.



#### TB4333B

This is a solventless sealant for gas piping that uses olefin-based resin as the main component. It is a mastic type product that has excellent vibration resistance and impact strength, and can be used for city gas and LP gas.

- \* ThreeBond is abbreviated to TB.
- \* Products are available in various sizes. Please consult one of our sales engineers.

# Anaerobic adhesive and sealant / Screw-locking agent

In addition for bonding and sealing of screws and interlocking parts, they can also be used for magnet surface adhesion, as well as bonding and sealing of metal materials. There are also agents to prevent screw loosening, leakages and rusting for small screws sizes M6 and smaller.

# General Adhesives / Elastomeric Adhesives

Volatile solvent-type adhesives can be used for general bonding for a wide range of substrates including soft materials like rubber and leather as well as rigid materials like plastic and metals. Elastomeric adhesives react with moisture in the air to form a rubber-like elastic body. They have excellent adhesive strength for a wide range of materials including metals, plastics, rubber, wood, and inorganic materials. They have elasticity after curing so they provide excellent bonding between different types of materials due to the high peel strength.

**Environment compatible type** 

#### Anaerobic adhesive and sealant / Screw-locking agent



#### TB1303N

High strength / fast curing type. This screws that do not need to be removed and reinstalled. It can be used in a temperature range from below -40°C to 150°C (approx.). It has low viscosity, made for bolts size M10 and lower.



#### TB1320B

Ultra-low viscosity type. It is possible to penetrate inside by applying on screws after tightening on the interlocking portion. It is good for fixing thread portion and interlocking portion as well as for sealing pinholes, where penetrability is



Halogen-free product with heat-curing and UV-curing properties. It is possible to prevent dropping because the overflow portion becomes a dry film by heating, and as a result, outgas can be reduced.



Exclusive product for sealing welch plugs. It was adjusted to make it easy to use with coating robots. It is a low strength, slow-curing type.



#### TB1307N

It is a lubricating ability type. This is good for bonding and sealing large-diameter bolts and high tensile bolts. It can be used in a temperature range from -40°C to 150°C (approx.).



#### TB1324N

This medium-strength anaerobic adhesive and sealant can be used in a temperature range from -40°C to 150°C (approx.). It is suitable for use



#### TB1359G

Grade for surface adhesion with UV curability. It is flexible, and it can be used to adhesive surfaces of metal parts, etc., because of its high peel



#### TB1390K

Curing accelerator (primer) for anaerobic adhesives and sealants. The curing speed can be increased by applying and letting it dry on ubstrates in advance. Acetone (solvent)-type.



#### TB1314

More thermal deterioration-resistant type. Even after continuous aging at 120°C there is almost no decrease in strength. It is good for fixing threaded portions and interlocking portion and sealings that are normally under high-temperature environments



#### TB1342J

Low strength / fast curing type. It is good for bonding and sealing screws that will be removed. It can be used in a temperature range from -40°C to 150°C (approx.). It is a DOP-free



#### TB1360G

This high heat resistant type anaerobic adhesive and sealant car be used in a temperature range from -40°C to 200°C (approx.). It can be used under axial force



#### TB1401

This is a single-component solvent vaporizing-type screw adhesives. It can be used for bonding small screws, mainly size M6 and smaller It can be used without influencing plastic materials. It is available in different colors and viscosities. (Colorless, blue, red, green, dark

### Solvent / water-based type



#### TB1521

This is a single-component volatile used for general bonding to a wide range of substrates. This is a rubber-based adhesive with high initial adhesiveness.



### TB1521C

This is a rubber-based adhesive with high initial adhesiveness. It has excellent padding ability, so dribbling does not occur even when applied to a vertical surface. It is good for bonding porous materials.



#### TB1549B

Water-based pressure sensitive adhesives for screen printing. It has excellent adhesion for materials such as various plastics, paper and metal. It is aqueous, so it can be used with materials that have low organic solvent resistance.

#### General type



#### TB1530P

This is an ultra-low viscosity type elastomeric adhesive. It is free of dibutyltin compounds.

certified according to flammability strength for a wide range of



This is an elastomeric adhesive that

meets special standards. Certified as

UL Standard QOQW2 [Polymeric

Adhesive Systems, Rated

temperature 80°C].

TB1538B

This is an elastomeric adhesive that is free of dibutyltin compounds. After an open time of 5 to 10 minutes, initial adhesiveness develops and temporary adhesion is possible without a liq. It is available in different colors and viscosities. (White, clear

一液湿気硬化型 弾性接着剤・ホワイト



#### TB1533F

TB1533

This is an elastomeric adhesive that is free of dibutyltin compounds. It has excellent adhesion to difficult-to-bond

#### Incombustible type



#### TB1537

This is an incombustible type elastomeric adhesive. This product is standard UL-94 V-0. It has small cure shrinkage and excellent adhesion colors.(White, black, gray)



This is an elastomeric adhesive that

is free of organotin compounds. Complies with REACH regulations.

### TB1535C

TB1535

This is an elastomeric adhesive that is free of organotin compounds. Complies with REACH regulations. It has high transparency.



#### TB1539

This is an elastomeric adhesive that is speedily cured at low temperatures. Plant-based polymers (Castor oil) are used, so it is an environmentally-friendly adhesive. It cures from 1 minute at 60°C. It is available in different colors. (Black,

\* Products are available in various sizes. Please consult one of our sales engineers.

# **Instant Adhesives**

These are single-component type instant adhesives that use cyanoacrylate as the main component.

When bonding, the adhesives cure in several seconds due to the trace of moisture that exists on the adhesion surface, and bonding occurs within a few seconds to a few minutes. They have excellent adhesive strength in a short time for a wide range of materials including metals, plastics, rubber, wood, and inorganic materials.

## **Antirust Lubricant**

These rust-preventing lubricants mainly contain rust-preventing oil and lubricating agents, so rust is prevented by blocking water and oxygen from metallic surfaces. The oil films and the lubricating agents help ensure slipperiness needed for lubrication capability. There are various grades available for purposes from general rust-preventing lubrication to heavy load lubrication and galling prevention.



There is no irritating odor and almost quick-curing property.



#### TB7741

This has excellent adhesion strength even on engineering plastics. Standard type.



#### TB7781

It has a sharp increase in strength even on porous materials, acidic materials such as wood and difficult-to-bond materials such as polyacetal. It also has excellent





High moisture resistance / excellent type. Even at an ambient temperature of 120°C, a bonding strength of at least 10 MPa (iron/iron) is maintained. It has excellent moisture and water bonding parts that are used outdoors



#### TB7737 / 7738

Ultra-high peel strength / impact-resistant type. This is a half-gel adhesive with sag resistance and excellent workability because there is no stringing. It has excellent adhesion even at high temperatures



#### TB1771E / 1771M / 1773E

Light-curing properties. It can be cured by UV light or visible light, so it is possible to cure quickly in overflow portions and areas with large



#### TB7789

Gel-type Sag-free, allowing it to be ceilings. By using a curing accelerator, thick curing is possible, therefore it can also be used for filling and reinforcement on uneven



### TB7796

TB1795C

Remover for instant adhesive. By

this product dissolves the cured

material so that the substrate can be

Faint-odor curing accelerator for instant adhesives. By dropping it on protruding excessive adhesive, the bonding time of the adhesive is reduced. Reduces the distinctive odor of accelerators.



Multi-primer for instant adhesive. Allows easy adhesion of difficult-to-bond materials. Apply and let it dry on surfaces as a preconditioning agent for

#### **Antirust Lubricant**



#### TB1802B

This is a general rust-preventing lubrication spray with excellent penetrability. It also penetrates through rust and dirt, making it easy to remove rust, and it is helpful when loosening bonded screws.



#### TB1815D

This is a grease type rust-preventing prevention and heavy load-resistant lubricating capability. It has good water resistance hence good lubricity can be maintained even when water



#### TB1901 / 1910

It has a low coefficient of friction, high resistance, ensuring lubricity for heavy loads. It has excellent heat resistance and can be used at up to 400°C. TB1901 = Paste type TB1910 = Aerosol type

Molybdenum Anti-Seizing Lubricants



#### TB1805

This is a grease type general rust-preventing lubrication spray. It has excellent weather resistance and water resistance, resulting in long-term rust prevention, therefore it can be used as rust prevention for



#### TB1821

This is a very safe rust-preventing lubrication spray that uses materials certified by the Food Sanitation Act. It has antibacterial properties and can be used for food machinery



#### TB1920

This is a grease-type lubricant for gas valves and cocks that contains molybdenum disulfide mixed with a stable base oil for city gas and LP gas. There is no negative influence on rubber or plastic.



#### TB1807B

This is a high-performance penetrating antirust lubricant with greater lubricity, penetrability and rust prevention. Aerosol type with a long fold-out nozzle, making it easy



#### TB1855 / 1856

This is a silicone grease-based rust-preventing lubricant with a wide operating temperature range, and has excellent thermal oxidative stability, water resistance, and brake oil resistance. TB1855 = Paste (tube) type

TB1856 = Aerosol type

\* Products are available in various sizes. Please consult one of our sales engineers.

TB3177

This is a UV curing resin and instant

cures by UV or visible light, and has

adhesive hybrid type product. It

of materials including metals.

# **Cleaning Products**

These are various cleaners that can be used easily to degrease mechanical parts, including aerosol types and paper wipers. There are also industrial floor cleaning agents that remove oil stains from factory floors, etc.

#### **Two-component Epoxy-compound Resins**

#### TB2081D

This adhesive is a set with a main agent and curing agent. It has excellent adhesion strength for soft PVC, which is difficult to bond material. It is good for bonding with rubber such as CR and EPDM and



### TB2082C

This high-strength adhesive is a set with a main agent and curing agent. Rubber particles are distributed, so it forms a tough cured material. It is good for bonding a wide range of materials such as various metals and plastics



#### TB2082E

This is a general adhesive filling repair agent that uses epoxy resin as the main component. It has excellent chemical resistance, water resistance and oil resistance.



### TB2082F

This is an adhesive filling repair agent for metals that uses epoxy resin as the main component. After curing, it forms a tough cured material resembling iron, enabling machining to be done. This agent is



#### TB2083L

This is a putty type water-curing two-component epoxy-compound resin that uses epoxy resin as the main component. It has excellent adhesion strength even on wet surfaces and in water. (Tested for leaching performance in water supply equipment according to JIS S



#### TB2086M

This fast-curing low temperature type adhesive is a set with a main agent and curing agent. It can even cure at a low temperature of -5°C. It is good for bonding various metals, plastics, and rubber, etc. (There is a tube type



#### TB2087

This is a two-component epoxy-compound resin that uses epoxy resin as the main component and can cure at room temperature. It has excellent elasticity and toughness and a particularly high



#### TB2088E

This heat-resistant adhesive is a set with a main agent and curing agent. It has excellent adhesion even at 200°C (approx.). It is good for ceramics.



#### TB2089B

A two-component stick type putty with an epoxy resin main agent and curing agent in concentric circles.
The necessary amount can be cut off without weighing and kneaded into





#### TB3921 / 3926

This is a two-component structural main component. It is a contact-curing type, so it does not need to be completely mixed. It reaches practical strength after



#### TB3950D

This is a solventless two-component elastomeric adhesive with epoxy resin and a special polymer containing silyl group as the main vibration and impact and has excellent relaxation properties against stresses such as expansion and shrinkage of materials.



#### TB3955

elastomeric adhesive that uses acrylate as the main component.
After curing, it forms an elastomeric rubber-like cured material with excellent heat resistance and moisture resistance. It reaches practical strength after about 3 hours. (Twin cartridge type.)

#### Cleaners



#### TB2706

This is an aerosol type parts cleaner. spraving. There is virtually no influence on rubber and plastic



### TB6602P

This is a quick-drying, aerosol type designed for mechanical parts. It is possible to easily clean oil and grease stains on mechanical parts



#### TB6651D

This is a semi-aqueous cleaning agent, and it is not a hazardous substance under the Fire Service Act. It is safer than conventional hydrocarbon cleaning agents, and has better drying performance than water-based cleaning agents.



#### TB6701D

This is an industrial wet wiper consisting of 100% rayon nonwover cloth impregnated with anhydrous denatured ethanol. As it contains no surfactant, oil or water, the surfaces dry easily with no residue left behind.

**Paper Wipers** 



#### TB2706D

This is a cleaner and lubricant for air tools. Attach it to the connector of an air tool and spray to clean and lubricate the tool at the same time.



#### TB6602R

This is a quick-drying, aerosol type cleaning agent with good workability designed for mechanical parts. It comes in a large can which can be used upside down. It is possible to easily clean oil and grease stains on mechanical parts.



#### TB6658

This is a strong alkaline electrolyzed water with excellent cleaning performance. It causes extremely little irritation of the skin and eyes. making it safe to use. Its strong alkaline property has an excellent disinfectant and antifungal effect.



### TB6702

This is an industrial wet wiper impregnated with denatured alcohol.
As it contains no surfactant, oil, water etc. the surfaces dry easily with no residue left behind.



#### TB2777E

This is a water soluble type alkaline floor cleaning agent for industrial use. It can be used as an undiluted solution or diluted up to 5 times depending on the dirtiness. It is also an environmentally-friendly cleaner that complies with environmental standards determined in the Water



#### TB6602S

This is a quick-drying, undiluted solution type cleaning agent with good workability designed for mechanical parts. It is possible to easily clean oil and grease stains on



#### TB6950 / 6950B

This is a paper wiper industrial use. This paper wiper has the merits of both paper and cloth products. It has excellent absorbability and resistance to

\* Products are available in various sizes. Please consult one of our sales engineers.

There are also products such as repair tape that can repair water leaks in pipes.

### Inorganic Products

### TB3713B

This is a single-component heat-curing high temperature resistant inorganic adhesive with a heat resistance of up to 1300°C. It has excellent adhesion for inorganic substances such as ceramics, glass,



#### TB3732

This is a single-component heat-curing high temperature resistant inorganic adhesive that can cure at room temperature and has a heat resistance of up to 1400°C. It has good drying performance due to the alcohol based solvent, and forms a cured material with few bubbles.

#### **Heat Release Agents**



#### TB1225C

This has high thermal conductivity gray fluid paste. It is an alcohol-releasing type with excellent electric insulation. It is a low-molecular siloxane-reduced



#### TB2270J

This is a one-component heat-curing epoxy resin with high thermal expansion coefficient and cure shrinkage, making it ideal for potting and situations requiring a high degree of durability



### TB2955P

This is an alcohol type. The surface cures gradually by the moisture in the air, which prevents dripping after assembling parts. It has excellent electric insulation and thermal

#### **Other Special Uses**

These products can be used for various special purposes such

as inorganic adhesives with excellent heat resistance, heat

release agents with high thermal conductivity and protectants



#### TB2501S

for electric parts.

This is a CFC-free rust-preventing electrical contact points. This is a general use grade with excellent lubricity.



#### TB3911D

This is a non-chloride type gasket remover for removing solid and liquid gaskets.



#### TB2901

This is a silicone resin-based aerosol type electrical part-protection coating agent. It forms an insulating film with excellent heat resistance that protects parts from humidity, rust, sulfuric gas, etc.



#### TB4370

This is an aerosol type gas leak sealant for the threaded joint portions of gas pipes that uses acrylic emulsion resin as the main component. It enables quick repairs without demolishing the wall or floor.



#### TB2910B

This is an aerosol type antistatic agent with a surfactant as the main component. It prevents static, and can prevent dust from attaching. It is colorless and transparent, has no rubber or plastic.



#### TB6660

This is a gas leak detecting agent that can detect gas and air leaks simply by spraying in the joins of pipes. It complies with JIS Z 2329 (bubble leak test method).

#### **Hand Cleaners**



### TB5903B

This is a hand cleaner that removes particles. It has a high cleaning performance due to the solubility of the alcohol-based solvent and the physical strength of the scrubbing



#### TB5904B

This is a cream type hand cleaner that contains a moisturizing ingredient, making it very gentle on hands. It excels in cleaning oil



### TB5909

This is a hand cleaner containing walnut shell grains as natural scrubbing particles that have biodegradability. It excels in cleaning solidified paint and oil



#### ThreeBond Tape [Standard Product / JIS-Compliant Product]

A fluororesin tape for screw seals. It gasoline, organic solvents and steam, and has excellent heat resistance and freeze resistance.



#### TB4550D

A repair set combining water-cured urethane repair tape and rubber tape that has some water stopping capabilities in the event of a water leak. It can be used for purposes such as water leaks in pipes.



#### TB4561 / 4561B

This is a curing tape that can be removed without leaving residue behind. It can be used for various emporary fixing and coating purposes, as well as masking for corking. It can be torn by hand, so it has excellent workability.

### Antifungal Agents and Deodorizers



#### TB6658C

This is a strong acidic electrolyzed water with excellent disinfectant performance. It quickly deodorizes and kills fungi and viruses such as 0-157 and norovirus. It is also specified as a food additive, making it



#### TB2921D

This is a dust blower for industrial alternative. A special absorbent that is inside of the can prevents spraying liquid when used upside down.



#### TB6731

This is an aerosol type photocatalytic deodorizer. This deodorizer exhibits a photocatalytic effect from the silver-deposited titanium oxide that breaks down harmful substances that exist in room air, and also demonstrates an antifungal effect from the silver



#### TB6615C

This is a polar plate cleaner for lead storage batteries. It remove lead sulfate that has built up by sulfation and restores the electric capacity. It also protects the surface of the electrodes and prevents sulfation.



#### TB6732

This is a photocatalytic deodorizer with Hinokitiol. This is a deodorizer (undiluted solution type) that contains antifungal effect and deodorizing effect, as well as a photocatalytic effect from the silver-deposited



#### TB9970

This is a new type of desiccant made from seawater minerals. A small amount can effectively absorb moisture chemically for a wide temperature range. There are various portion package sizes from 3g to 50g.

\* Products are available in various sizes. Please consult one of our sales engineers.

### **For Industrial Use Only**

#### Do not use this product for household purposes

This product was developed for general industrial use. Before using this product, the user must accept the following terms:

- The technical data given herein are not guaranteed values, but examples of experimental values obtained by our specified test methods. We do not guarantee that the uses described herein do not conflict with any intellectual property right.
- Users are asked to examine whether the product is appropriate to the purpose of use and can be used safely before they use it and bear all responsibilities and hazards involved in its use. Never use the product for medical implants that may be embedded, injected or left in the body.
- We are not liable for personal injury or property damage caused by improper handling of this product. If the properties and usage of this product are unknown, never use it.
- For detailed safety information of the product, see the Safety Data Sheet (SDS). To obtain the SDS, contact our sales office or customer service center.
- Information in this technical document is subject to change at our discretion without notice.

The following are trademarks or registered trademarks of ThreeBond Co., Ltd.
 ThreeBond MEC Sealock ThreeLock DryLock GOLD LABEL ThreeSealer ThreeSheetPacking PASTAR ThreeRuster Ultra Glass Coating(Logo) TYREPANDO THREEBONDTAPE

Creating Our Future From a Single Drop

### ThreeBond Co., Ltd.

4-3-3 Minamiosawa, Hachioji, Tokyo 192-0398

0120-56-1456

TEL 81 42 670 5333

With about 100 sales offices and manufacturing plants in Japan as well as 60 sales offices and manufacturing plants that are located outside of Japan, we have established a system to quickly meet the needs of our customers. Your request: