

# BIO 500

## DAEHEUNG CHEMICAL

Antifungal silicone sealant

**BIO 500 is one-component, oxime curing silicone sealant. It is suitable for areas with high humidity or such as enclosed indoor, bathtub, sink area, etc. It is a product with excellent antibacterial properties.**

### 1. Uses

- Sealing of bathtub around
- Prevent leaking water(washing stand, sink)
- Shower hose, a gap of bathroom, around sash

### 2. Characteristics

- KS F 4910 F-20LM grade
- Almost no irritating smell(Non-acetoxy)
- Biological function is suppressing an occurrence of mold
- Excellent resistance to crack or shrinkage
- When working, there is not an offensive odor and adhesion is excellent

### 3. Physical properties

Properties	Value
Main component	Silicone polymer
Curing system	Moisture curing
Curing type	Oxime
Appearance	Soft paste
Color	White, Clear(order made color)
Specific gravity	1.02~1.05
Skin over time	Max.5 min(23℃, 50% RH)
Full curing time	72hr(3mm / 23℃, 50% RH)
Hardness	20~25(shore A)
Tensile strength	Min. 1.0N/mm <sup>2</sup> (ASTM D412)
Elongation at break	Min. 400%(ASTM D412)
Temperature resistance	-48℃~120℃
Shelf life	1 year in unbroken package under dry and cool condition(5~25℃)

## 4. How to use

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- **Joint**

Check the joint that is considered the seal and repair of the construction materials that draw the plan.

- **Clean and dry**

Clean and remove oil, dust, impurities on surface..

- **Masking tape**

Use masking tape to protect adjacent surfaces.

- **Back-Up material installation**

Back-up material is the polyethylene foam or polyurethane foam .

- **Primer**

Primer can be used only when it is necessary. It can also be used to increase, its supplementary of adhesive strength if a sealant can't get an adhesive strength.

- **Sealant caulking**

Apply positive pressure adequate to properly fill and seal the joint width.

- **Tooling**

Shave the surface of the sealant in same angel by the rubber knife or scoop.

- **Masking tape & Sealant cleaning**

When the tooling is over, just remove the masking tape.

Excess sealant should be cleaned from glass, metal, plastic surfaces while still uncured.

If it is cured, please use the knife.

## 5. Caution

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- The cartridge should not be exposed to direct sunlight & shall be kept in a cool and dry place.
- Use with adequate ventilation and avoid prolonged breathing of vapors.
- Prolonged or repeated skin contact might cause irritation.
- In the event of eye contact wash thoroughly with water and consult a physician immediately.
- Don't use except for the original purpose.
- Don't use to mix with hot-melt.
- Don't use double-layer glass, fishbowl, professional SPEC.

## 6. Packaging

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- 100ml tube
- 280ml cartridge

Please contact us for further information or see Material Safety Data Sheet (MSDS) for this product.

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