

TOSSEAL[™] 83 AMB

One Part Oxime Silicone Sealant (Antimicrobial and Antifungal Grade)

Product Description

TOSSEAL 83 AMB is a 1-part oxime silicone sealant with fungicides. So mildew is less likely to happen. It also contains antimicrobial agents that inhibit the growth of bacteria such as Staphylococcus aureus and Escherichia coli.

This sealant adheres well to glass, tiles, plastics, and metals. It can withstand severe conditions such as ozone, ultraviolet rays, temperature changes, and various chemicals. It provides excellent waterproofing properties.

Key Features and Typical Benefits

- One component, ready-to-use sealant
- Mildew is less likely to occur
- No corrosion to most metals
- Excellent adhesion to various materials
- Superior weather resistance and durability

Applications

- **Modular bathroom:** Seal around plastic bathtubs and joints in bathrooms.
- **General household use:** Prevention of water leakage around washbasins and sinks.
- **Prefabricated and freezer rooms:** Joint sealing during assembly on factory lines.
- **Other:** Seals in areas where mold growth is a particular problem.

Character Examples

Internal Test Results Based on JIS A 5758

Characteristic		Measured Value

Note: Substrate.....Aluminum
PrimerTOSPRIME D

Typical Physical Properties

Typical Uncured Properties (JIS A 1439)

Characteristic	Measured value

Typical Cured Properties (JIS A 1439)

Characteristic - Substrate: Aluminum		Measured value

Note: Primer.....TOSPRIME D

Mold Resistance Test Results

Product	Aging Conditions	JIS Indicator	Remarks

Aging Conditions: Initial..... 23°C/7 days
How Water Immersion..... + 50°C/7 days

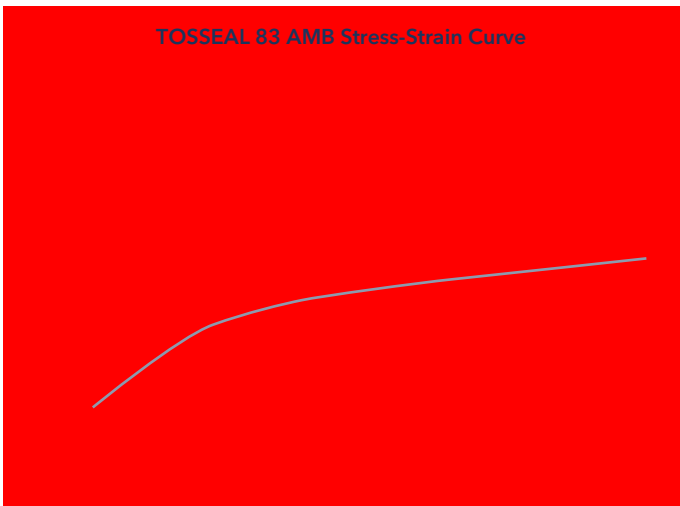
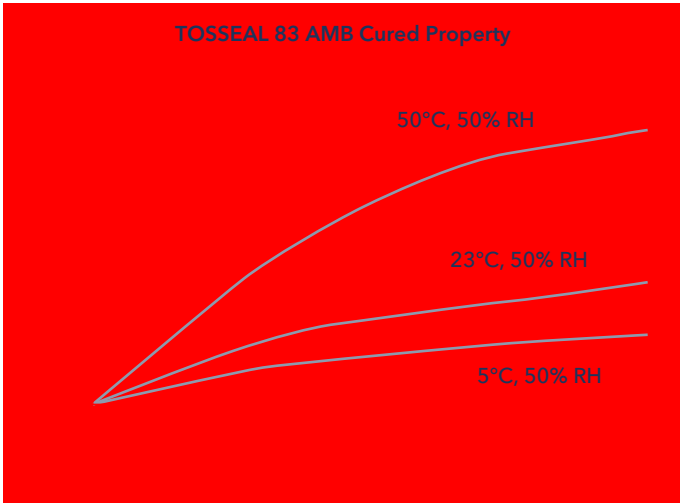
Antimicrobial Properties

The table below shows the test result for TOSSEAL 83 AMB in accordance with JIS Z 2801 "Antimicrobial-processed products-Antimicrobial test methods and antimicrobial effect".

Antimicrobial Test Result.

Product	Bacteria	Antibacterial Activity Value

Aging Conditions: Initial.....35°C/24 hours



Application Instructions

Surface Preparation

Substrate surface should be thoroughly cleaned with a suitable solvent such as alcohol, xylene, methyl ethyl ketone (MEK). Do not use soap, detergent, or water. Wipe the surface dry. Sealant will not properly adhere to a wet substrate.

Masking

To obtain a neat sealant line, use masking tape to cover areas adjacent to any joints before priming.

Primer

A preliminary adhesion test of sealant on the substrate is recommended to ascertain proper adhesion. For difficult-to-bond substrates, use of a primer (TOSPRIME C, D or E) is suggested. Allow primer to dry thoroughly before proceeding.

Back-up Material

Do not apply sealant in direct contact with organic rubber such as chloroprene or EPT etc. Rubber closed to back-up materials may stain the silicone sealant.

Applying and Tooling Sealant

Cut nozzle to desired bead size, break the membrane film completely and extrude sealant in the joint. Tool immediately, within 5 minutes of application, with a spatula to spread the sealant against the back-up material and joint surfaces. Remove masking tape immediately after tooling. Sealant will begin to skin on the exposed surface in about 10 minutes and cure will progress inward.

Notes

TOSSEAL 83 AMB may yellow slightly after extended exposure to sunlight or UV light. Alcohol is a suitable solvent for removing stains from sealant.

Handling and Safety

Wear eye protection when handling uncured sealant as it can irritate eyes. In case of eye contact, immediately flush eyes well with water and contact a physician. This product releases methyl ethyl ketoxime vapors as a by-product of cure. Maintain adequate ventilation in the workplace at all times. Extended contact with the skin may cause irritation and should be avoided. Not for food contact use.

Storage

- Store in a cool, dry, dark place.
- Keep out of reach of children.

Primer Selection

- TOSSEAL primers; TOSPRIME C, D and E have been specially prepared to ensure the durability and bonding strength of
- TOSSEAL 83 AMB to various substrates. The chart below shows which primer is most compatible with the substrate.

Primer	Substrate

Caution: Primers contain solvents which are highly flammable and toxic. Observe all cautions. Storage, mixing and use must be done in a well-ventilated area away from any source of ignition such as heat, sparks, and flame.

Do not use on marble without primer because of migration. TOSPRIME C is recommended.

Post-Construction Notes

TOSSEAL 83 AMB has fungicides added to prevent the formation of mildew but should be cleaned once or twice a month with a towel moistened with water, especially in bathrooms and other areas prone to buildup of mildew. If water does not remove the mildew, clean with alcohol (isopropyl alcohol is best). If left unattended, the stains may become moldy and cannot be removed by wiping afterwards.

Packaging and Color

Package	Volume (package unit)	Color

Issued: March 2022

Customer Service Centers

Americas	
Latin Americas	
EMEIA - Europe, Middle East, Africa, and India	
APAC - Asia Pacific	
MyMomentive™ Order Management Site	

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