

PRODUCT / MOLD-RESISTANT ALKOXY SILICONE

MR350 Mold-Resistant Sanitary Silicone Sealant

Mold-resistant alkoxy-cure silicone for sanitary sealing in kitchens, bathrooms and interior wet areas.

CURE SYSTEM Alkoxy / dealcoholized	CLASSIFICATION 20 HM
MOLD RESISTANCE Grade 0	PACKAGE 300 mL cartridge



MR350 ProSeal 7 cartridge

Product description

MR350 is a one-component alkoxy-cure sanitary silicone sealant for bathrooms, kitchens and other interior wet-area joints. It combines Grade 0 mold resistance with non-sag application, elastic recovery and durable adhesion performance.

Key benefits

Grade 0 mold resistance

Supports cleaner-looking sanitary joints in wet-area applications.

Non-sag application

A 0 mm vertical-slump result supports clean, controlled bead placement on vertical and perimeter joints.

Elastic performance

86% elastic recovery supports durable, flexible sealing in sanitary joints.

Durable adhesion

No failure after maintained-extension and conditioning tests supports dependable sanitary-joint performance.

Recommended applications

Bathroom and shower

Typical sanitary perimeter joints around shower screens, tubs, vanities and basins.

Tub and tile

Typical tile-to-tub, tile-to-glass and interior corner joints exposed to humidity.

Basins and kitchen sinks

Typical sanitary perimeter joints around basins, sink edges, countertops and splash zones.

Interior glass and fixtures

Typical sanitary beads around interior glass, tile and bathroom fixtures.

Applications, substrates and product routing

Typical applications

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Substrate suitability

TYPICAL SUBSTRATE	TYPICAL USE	PREPARATION / CHECK
Ceramic tile and porcelain	Sanitary perimeters and interior corners	Remove soap, grease and cleaner residue; use only on clean, dry and sound surfaces.
Interior glass	Shower screens, partitions and tile-to-glass joints	Clean with a compatible non-residue cleaner. Test coated or treated glass.
Basins and tub surfaces	Perimeters around basins, tubs and sanitary fixtures	Clean and dry the surface. Test enamel, acrylic and composite finishes.
Countertop surfaces	Sink edges and interior splash-zone perimeters	Test the actual material, especially porous, resin-based or coated finishes.
Selected metal finishes	Selected sanitary trim and fixture finishes	Use on sound finishes only after a small compatibility and adhesion trial.

Product selection for other applications

Exterior weather-exposed movement joints

Use a weather-resistant sealant selected for the project exposure and movement requirements.

Paintable trim cracks and interior wall gaps

Use a compatible paintable acrylic or other product selected for the finish.

Structural glazing

Use a structural glazing sealant with project-specific approval.

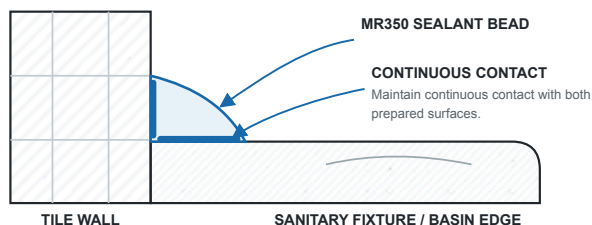
Permanent immersion, aquariums or food-contact areas

Use a product specifically approved for the intended exposure or regulated use.

Mirror backing, natural stone or unusual substrates

Use a product specifically designed and tested for the substrate.

Typical sanitary perimeter seal location



Typical sanitary perimeter joint detail. Dimensions and backing are selected for the project.

Figure 2.1 — Typical sanitary perimeter seal location.

Technical data and cure profile

PRIMARY STANDARD JC/T 885-2016, Building Anti-Mildew Sealants	CLASSIFICATION 20 HM	MOLD-RESISTANCE RESULT Grade 0
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Uncured properties

PROPERTY	VALUE	METHOD / BASIS
Appearance	Fine, uniform paste; no bubbles, lumps, skinning, gel or non-dispersible precipitates	JC/T 885-2016, Clause 6.3
Density	1.02 g/cm ³	GB/T 13477.2-2018
Tack-free time	Approx. 30 min	GB/T 13477.5-2002, Method A
Curing rate	Approx. 2-3 mm/24 h	Typical at +23°C / 50% RH
Extrusion rate	769-838 mL/min	GB/T 13477.3-2017
Slump - vertical	0 mm	GB/T 13477.6-2002
Slump - horizontal	No deformation	GB/T 13477.6-2002

Cured properties

PROPERTY	VALUE	METHOD / BASIS
Elastic recovery	86%	GB/T 13477.17-2017
Shore A hardness	Approx. 24	Typical value
Service temperature	-40°C to +150°C	Typical range
Tensile modulus at +23°C	0.5 MPa	JC/T 885-2016, Clause 6.9
Tensile strength	1.5 MPa	GB/T 528-2009
Elongation at break	302%	GB/T 528-2009
Mass loss	4.5%	GB/T 13477.19-2017
Mold resistance	Grade 0	JC/T 885-2016, Clause 6.17

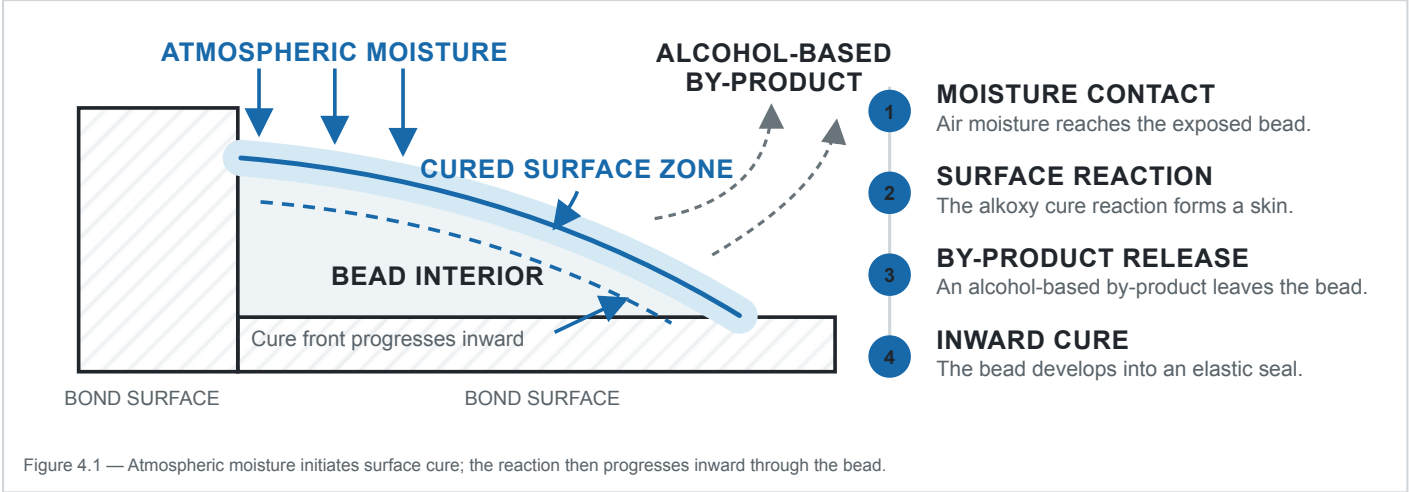
Adhesion durability

PROPERTY	VALUE	METHOD / BASIS
Adhesion at maintained extension	No failure	GB/T 13477.10-2017
Adhesion after cold-draw / hot-press cycles	No failure	GB/T 13477.13-2019
Adhesion after water immersion and maintained extension	No failure	GB/T 13477.11-2017

Cure and mold-resistance principles

Alkoxy moisture-cure principle

MR350 uses modern alkoxy moisture-cure technology for sanitary sealing in occupied interiors. Cure begins at the exposed surface and progresses inward as atmospheric moisture becomes available.



A More Environmentally Conscious Alkoxy Cure

Compared with conventional oxime-cure chemistry, the alkoxy reaction releases an alcohol-based rather than an oxime-based curing by-product, supporting a more comfortable application experience and a more environmentally conscious choice for bathrooms, kitchens and other interior wet areas.

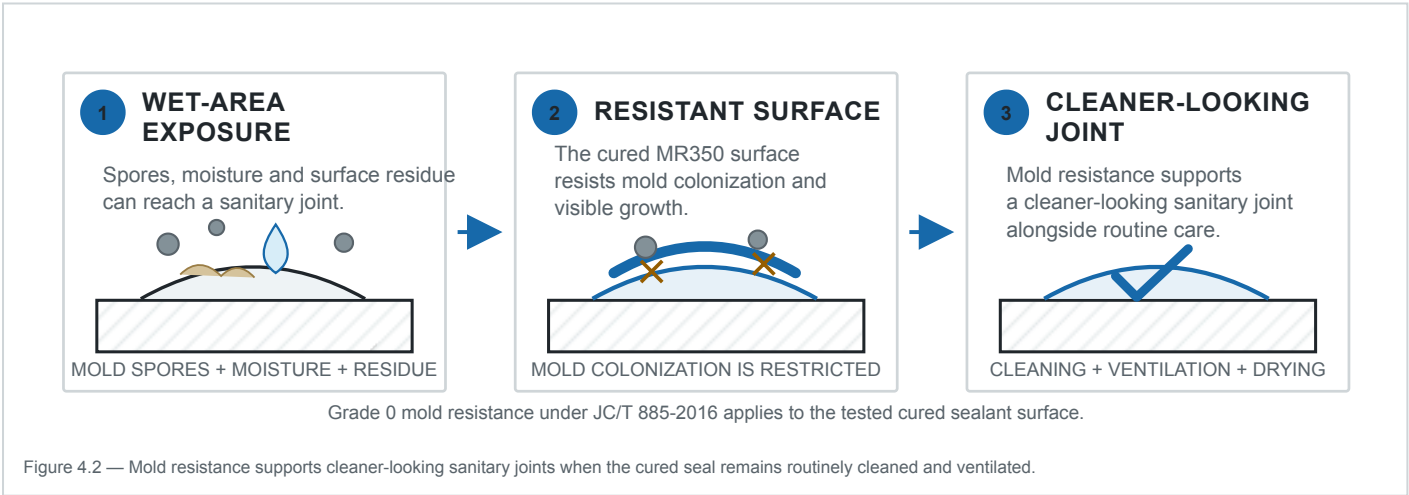
Typical curing rate

Approx. 2–3 mm/24 h at +23°C and 50% RH. Lower temperature, lower humidity or a deeper bead will extend curing time.

Key cure factors: Temperature · Relative humidity · Bead dimensions · Air and moisture access

Mold-resistance principle

MR350's Grade 0 mold resistance helps sanitary joints retain a cleaner-looking appearance in humid service. The cured surface is formulated to resist mold colonization and visible growth in bathrooms, kitchens and other wet areas.



Grade 0 confidence

Tested mold resistance supports stronger sanitary-product selection.

Cleaner-looking joints

Helps protect the appearance of cured sanitary joints in humid areas.

Made for wet areas

Supports professional-looking seals in bathrooms, kitchens and interior wet areas.

Application conditions and procedure

Application conditions

Apply at +5°C to +40°C only when the bond surfaces are clean, dry, sound and free from standing water, condensation, frost and uncured cleaner.

Surface preparation

Bonding surfaces must be clean, dry, sound and free from dust, oil, grease, soap, old sealant, condensation and cleaner residue. Remove residual silicone film and confirm that the cleaning method is compatible with the substrate.

Primer guidance

Primer selection depends on the substrate and service conditions. Test adhesion on coated, plastic, metal, porous or unfamiliar surfaces and contact VESTA when primer guidance is required.

Application procedure

01 Check the joint

Confirm the intended sanitary joint, substrates, adjacent materials and required finish before work starts.

03 Mask the joint edges

Mask adjacent surfaces where a controlled, clean edge is required.

05 Apply continuously

Dispense a continuous bead with controlled pressure, maintaining contact with the bond surfaces and minimizing voids.

07 Remove masking

Remove masking immediately after tooling without disturbing the finished bead.

02 Prepare the surfaces

Remove old sealant and contamination, then leave the bond faces clean, dry, sound and ready for adhesion.

04 Prepare the cartridge

Open the cartridge and cut the nozzle to suit the required bead size without damaging the cartridge seal.

06 Tool the bead

Tool the fresh sealant before skin formation to produce continuous substrate contact and the required finish.

08 Protect the fresh seal

Keep the fresh seal dry and free from contamination or movement while it cures.

Before application

- Check the actual substrate, coating, cleaner and adjacent materials for compatibility.
- For coated, plastic, metal, porous or unfamiliar surfaces, complete a small adhesion trial before full application.
- Select a specialist product for structural glazing, immersion, aquariums, mirror backing, natural stone, food-contact or other regulated uses.

Failure prevention

- Remove residual silicone, soap, grease, dust, condensation and cleaner residue.
- Use compatible cleaners and allow the bond surfaces to dry completely.
- Fill continuously and tool before skin formation to avoid voids and incomplete substrate contact.
- Keep the fresh bead dry and undisturbed while it cures.

Packaging, limitations and safety

Limitations

- Not recommended for structural glazing, permanent immersion, aquarium construction, mirror backing, natural stone or food-contact applications unless specifically approved.
- Do not apply to wet, contaminated, frozen or unsound surfaces.
- Check compatibility on coated surfaces, plastics, metals and unfamiliar materials.

Packaging, colors and storage

PACKAGE, SHELF LIFE AND STORAGE

300 mL cartridge

Shelf life	12 months
Storage	Store in the original unopened package in dry conditions at +5°C to +25°C.

STANDARD COLORS

CLEAR	WHITE	BLACK	GREY
			

Health and safety

Use in well-ventilated areas. Avoid contact with eyes and prolonged skin contact. Keep out of reach of children. Refer to the current Safety Data Sheet for handling, transport and disposal information.

Manufacturer and contact information

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Information in this TDS is based on current product data and is intended to assist product selection and application. Users must confirm suitability for the intended substrate and service conditions. Refer to the latest TDS and SDS.