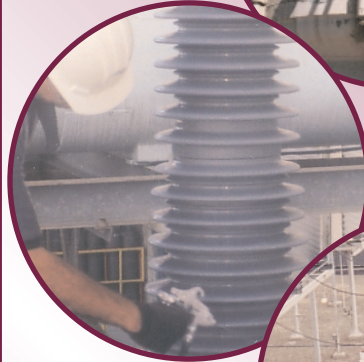
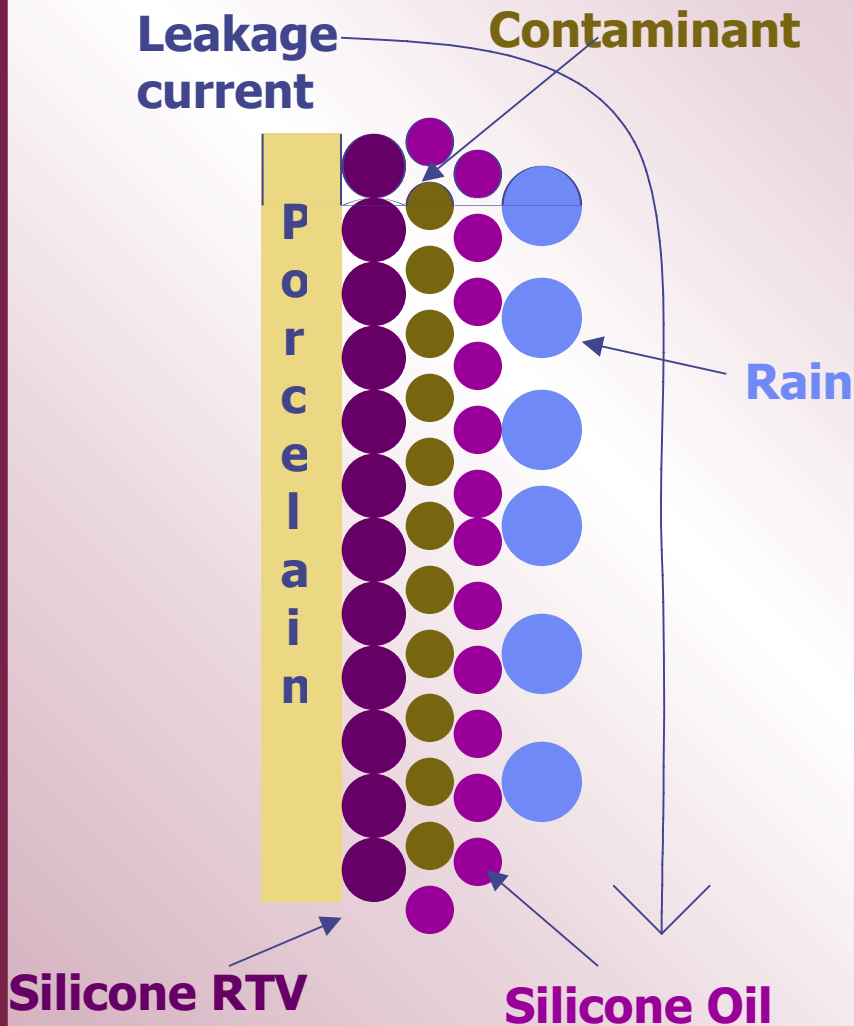


Midsun 570



Midsun HVIC™ silicone is not affected by UV light, temperature, corrosive environments, or ATH pitting from dry band arcing.

Because the coating is highly water repellent, contaminants cannot film out over the surface.



Midsun HVIC™ coating is available for *live line application*.

The non-flammable carrier solvent permits safe application under live conditions. This of course requires the use of tools designed specifically for live application.



Flashover Contaminates

- Salt
- Coal Dust
- Cement Dust
- Sugar Cane Carbon
- Fly Ash
- Bird Droppings/Streamer
- Cooling Towers
- Dirt



The coating will eliminate and or reduce:

- Regular insulator washing.
- Periodic re-application of grease.
- Replacement of components damaged by flashovers.
- Repair silicone sheds and rod damage on composite insulation systems.

Midsun 570 HVIC™ room temperature vulcanizing (RTV) silicone rubber coating on glass, porcelain and polymer insulators performs by virtue of its water repellency and its proprietary anti-tracking, flame retardant, adhesion promoter agents. Because the coating is highly hydrophobic contaminants cannot film out over the surface. The coating will eliminate and or reduce:

- Regular insulator washing.
- Periodic re-application of grease.
- Replacement of components damaged by flashovers.
- Repair silicone sheds and rod damage on composite insulation systems.

APPLICATION INFORMATION

The insulation surface to be coated must be clean and dry. In most instances, only a water wash followed by a naphtha, IPA or acetone solvent wipe will be needed. In some instances, like insulators in cement plants and other heavily polluted environments, dry blasting with corn cob or walnut shell may be needed. Dry blasting is also recommended for insulators previously greased. Contact the Midsun Group, Inc. for the recommended practice, turnkey blasting and coating services.

Methods of coating insulators include brushing, dipping and spraying. When only a few insulators need to be coated, aerosol spray cans is the recommended method.

Usually one to three coats in sufficient to obtain the recommended minimum thickness of 15 mils (0.015 inches).

When the entire substation is to be coated, spraying is the recommended approach. Spray equipment varies considerably in design and depending on the equipment used, two or three coats may be necessary to obtain the desired thickness. Each coat can be applied as soon as previous coat becomes tacky. This can be up to 15 minutes depending on the ambient temperature and humidity. The liquid surface on coated insulators dries to the touch in approximately 40 minutes and reaches complete cure in several hours. Midsun Group can provide this service at a very cost-effective rate.

Midsun 570 HVIC™ coating is available for *live line application*. The non-flammable carrier solvent permits safe application under live conditions. This of course requires the use of tools designed specifically for live application.

COLORS

Midsun 570 HVIC™ standard color is white. It is also available in gray and chocolate brown.

PACKAGING

Midsun 570 HVIC™ is supplied aerosol cans, 1 gallon cans, 5 gallon pails, and 55 gallon drums.

STORAGE

Midsun 570 HVIC™ when stored in original unopened container below 32°C (90°F) has a shelf life of 12 months from the date of shipment. While in storage, sedimentation may occur. Prior to any application thoroughly stir the material before use.

SAFETY PRECAUTIONS

Midsun 570 HVIC™ uses a neutral cure system, so no acetic acid fumes or objectionable by products are evolved during application. On direct contact, uncured sealant may irritate eyes. Flush with water and call a physician. See Material Safety Data

TYPICAL PROPERTIES

As Supplied	
Type	One-part, RTV
Appearance	Paint
Specific Gravity	1.25
Color	White or Gray
Application Temperature Range, °C (°F)	-18 to 50 (0 to 120)
Usage Temperature Range, °C (°F)	-4 to 121 (-40 to 250)
Cure Method	Oxime
Skin-over time as standard conditions*, min	15
Tack free at standard conditions*, min	30
Percent Solids (by volume)	70
Viscosity, cp	800-1000
As cured - at standard conditions* for 7 days	
Dielectric strength, V/mil (ASTM D149)	390
Volume resistivity, ohm.cm (ASTM D257)	9.0x10 ¹⁴
Dissipation Factor (ASTM D150) at 100Hz	4.5
Tracking wheel withstand, hours	1000

* Standard conditions are 25C (77F) and 50% relative humidity

WARRANTY STATEMENT

The product is warranted to meet its specifications. In no event shall Midsun be liable for incidental or consequential damages. Except as expressly stipulated, any liability, expresses or implied, is limited to the stated selling price of any defective goods. Data is subject to change without notice and its is therefore recommended that this information not be used for specifications writing. For additional information on specific applications, contact Midsun Group for writing specifications.

No Flashover Warranty Statement

When **Midsun 570 HVIC™** is applied by or under the direct supervision of the Midsun Group, **Midsun 570 HVIC™** is warranted to prevent flashovers from the onset of leakage current. Call Midsun Group for specific terms and conditions.



PRODUCT DATA

MIDSUN 570 HIGH VOLTAGE INSULATOR COATING WARRANTY



MIDSUN GROUP INC. produces and sells a full line of silicone products. These products offer a variety of physical characteristics and properties. MIDSUN 570 High Voltage Insulator Coating™ is part of that line.

When Midsun 570 HVIC™ is applied with in the stated shelf life and according to application recommendations, MIDSUN GROUP INC. warrants for a minimum* period of six(6) years, that it will perform its functions of limiting the development of leakage current into flashover.

No maintenance is required in most cases, although in a few applications, cleaning by water washing may be necessary to restore the coatings function. In these instances, the industry standard method of high pressure water washing is recommended.

In the event of a claim under this warranty, you must notify MIDSUN GROUP INC. in writing within 30 days of the failure occurrence. MIDSUN GROUP's sole liability shall be to furnish sufficient replacement material to restore the integrity of the coating. Any labor or other costs associated with the replacement are the responsibility of the applicator or the owner, unless the coating was applied by the MIDSUN GROUP INC.

MIDSUN GROUP INC. SHALL NOT BE LIABLE FOR AND EXPRESSLY DISCLAIMS ANY LIABILITY FOR DAMAGE TO EQUIPMENT OR FOR CONSEQUENTIAL OR INCIDENTAL DAMAGE WHETHER IN CONTACT OR IN TORT INCLUDING NEGLIGENCE.

THIS WARRANTY IS IN LIEU OF ALL OTHER WRITTEN OR ORAL, EXPRESSED OR IMPLIED WARRANTIES AND MIDSUN SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE.

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Job Location



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