

**PPC Insulators**

---

# RTV Silicone Coating

High voltage insulator coating services for highly polluted and humid environments

# PPC RTV Silicone Coating

## Our Recommendation for Contamination

PPC offers a range of solutions for insulators installed in highly polluted areas. PPC insulators coated with RTV Silicone have increased electrical performance, with reduced corona effects and flashovers

## Preventing Flashovers

RTV Coated Insulators provide a hydrophobic surface, limiting known causes of flashovers such as conductive water filming and leakage currents. Flashovers occur much more frequently in polluted environments like those found in coastal, industrial, and desert areas. The hydrophobic properties of PPC's RTV silicone coated insulators prevent conductive water filming by causing water to bead up on the insulator surface, eliminating a path for leakage current formation.



## Reduced Maintenance Costs

Traditional solutions such as silicone grease and insulator washing programs require more maintenance than RTV coated insulators. Frequent washing and grease replacement are necessary for these solutions to prevent corona effects and flashovers. PPC's RTV coating solution is a proven technology that does not require reapplication through its lifecycle and reduces the frequency of washing cycles.

## RTV Silicone Coating Benefits

- Suppression of leakage current, discharges, and pollution flashover
- Long-term hydrophobicity with a 15-year lifecycle<sup>1</sup>
- Reduces maintenance costs and shutdowns for washing or greasing
- Excellent self-cleaning characteristics
- Nontoxic, environmentally friendly material
- 10-Year limited warranty<sup>2</sup>



## An Option For All Applications

PPC offers a wide range of coating services:

- Precoated insulators shipped directly to customers
- Field coating services for existing substations<sup>2</sup>

## Learn More

Contact your local sales representative or contact PPC at:

[customerservice.usa@ppcinsulators.com](mailto:customerservice.usa@ppcinsulators.com)

or

[customerservice.canada@ppcinsulators.com](mailto:customerservice.canada@ppcinsulators.com)

<sup>1</sup> Product Life will vary based on environment

<sup>2</sup> Terms Apply please contact PPC for details