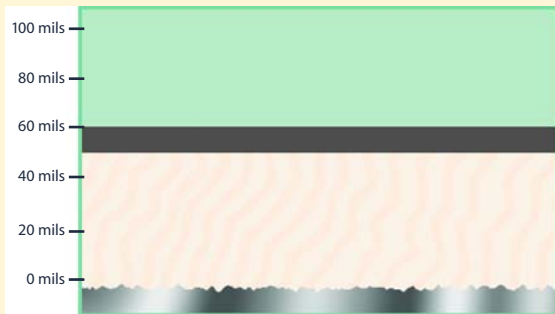




Fluoroshield® GSC-CE



Description

Fluoroshield® GSC-CE is made from fully-fluorinated, 100% PFA resins that contain no fillers or additives. The coating is spray applied to the substrate in successive layers and cured after each coat. A spray-applied proprietary fusion layer between the substrate and the coating gives Fluoroshield® GSC-CE bond strengths well in excess of that required to resist full vacuum. The final coat of Fluoroshield® contains an electrically conductive additive to enhance the rate of static dissipation along the coating surface. Fluoroshield® GSC-CE is also available as a topcoat for the Fluoroshield® GSC-M and GSC-MS systems.

Applications

As a result of reduced surface resistance, Fluoroshield® GSC-CE offers an additional margin of safety when processing solvents or powders. It should not be considered the only solution to static buildup problems and should be used in conjunction with other safety measures, such as nitrogen blanketing.

In-Service Inspection

Fluoropolymer coatings should be checked for delamination, disbonding, stress cracking or discoloration on a periodic basis. Any identified defects should be reported to a Fluoroshield® Representative immediately. In-service spark testing of process equipment coated with Fluoroshield® GSC-CE is NOT RECOMMENDED due to conductive nature of the topcoat.

Technical Data

Operating Temperature Range: -310°F to 212°F (-190°C to 100°C)
Chemical Resistance: Equal to PTFE
pH Range: 0-14
Available Thickness: 40-60 mils
Final Continuity Test: 10 KV-DC
Suitable for Full Vacuum Service
Compatible with all substrates except alloys with high copper content
Field Repairable

Field Repair Capability

Fluoroshield® GSC-CE can be repaired on site should mechanical damage occur during use. The coating's ability to "melt flow" at elevated temperatures allows for quick and reliable repairs that can reduce expensive downtime costs.



The suitability of Fluoroshield® GSC-MS for use is dependent upon process environment. Please contact your Fluoroshield® applicator to ensure that the coating is compatible with your process conditions.

VOGT ASSOCIATES, LLC.

MATERIALS MANUFACTURING
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