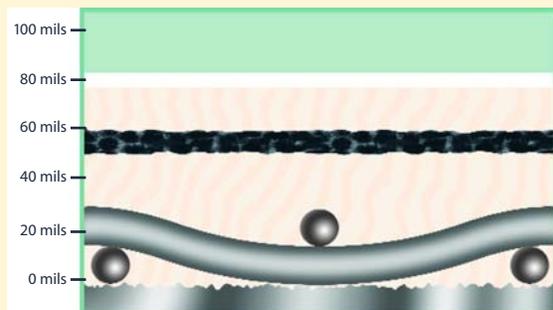


# Fluoroshield® GSC-MS



## Description

Fluoroshield® GSC-MS 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. An effective bond between the coating and substrate is achieved by welding a stainless steel mesh to the substrate before the Fluoroshield® coating is applied. The coating then flows into and around the woven mesh and provides a bond strength equal to the tear strength of the polymer resin. An additional activated carbon barrier offers increased longevity and mitigates the effects of permeation in severe applications.

## Applications

Fluoroshield® GSC-MS offers increased component longevity in severe applications. The mechanical bond is more tolerant to the effects of permeation and is protected by an intermediate carbon layer, which makes Fluoroshield® GSC-MS ideally suited for a wide range of applications including:

- Dryers
- Main Covers
- Packed Columns
- Reactors
- Vapor Lines
- Vessels

## 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 immediately. In-service spark testing of process equipment coated with Fluoroshield® GSC-MS is NOT RECOMMENDED due to the effects of process chemistry and the designed performance of the activated carbon layer. In-service testing will cause sparking to the activated carbon layer, produce false results and lead to the premature failure of the Fluoroshield® coating system.

## Technical Data

Operating Temperature Range: -310°F to 482°F (-190°C to 250°C)
Chemical Resistance: Equal to PTFE
pH Range: 0-14
Available Thickness: 80-100 mils
Final Continuity Test: 10 KV-DC (Pinhole Free)
Suitable for Full Vacuum Service
Compatible with all substrates except alloys with high copper content.
Field Repairable

## Field Repair Capability

Fluoroshield® GSC-MS can be repaired on site should mechanical damage occur during use. The coatings 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.*