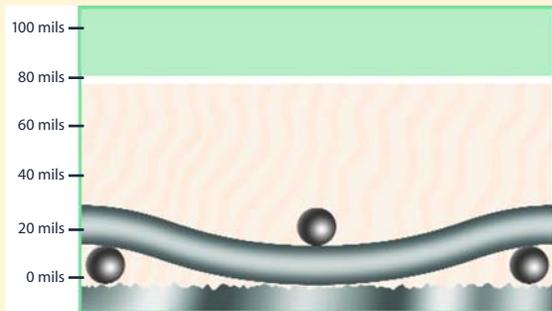




# Fluoroshield® GSC-M



## Description

Fluoroshield® GSC-M 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 produces a bond strength equal to the tear strength of the polymer.

## Applications

Fluoroshield® GSC-M offers increased component longevity in severe applications. Because the mechanical bond of polymer to mesh is more tolerant to the effects of permeation, Fluoroshield® GSC-M is 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. Fluoropolymer coatings applied to processing equipment that urgently needs to be returned to service should be submitted to a 2500 Volt DC spark test carried out in accordance with the Fluoroshield® Spark Testing procedures. A test that is not performed to this specification can create additional pinholes and significantly degrade the coating.

## Technical Data

Operating Temperature Range: -310°F to 455°F (-190°C to 235°C)
Chemical Resistance: Equal to PTFE pH Range: 0-14
pH Range: 0-14 Final Continuity Test: 10 KV-DC (Pinhole Free)
Available Thickness: 60-100 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-M 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-M 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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