



Fluoropolymer Linings and Coatings

Technical Data

FluoroGrip® – Elastomer SC-200

Industrial Uses

Type

FluoroGrip® Elastomer SC-200 is a one-component caulk-grade fluoroelastomer sealant and adhesive formulated for a wide range chemical and temperature resistance. FluoroGrip® Elastomer SC-200 systems are formulated for specific service requirements while retaining chemical, temperature, and elastomeric and other physical properties.

Uses

As an elastomeric, highly chemical and temperature resistant caulk-grade sealant for sealing edges of FluoroGrip® fluoropolymer linings, films and coating as well as tie-ins to other compatible materials and substrates.

Application Data

Application Method

Unscrew red cartridge seal and put aside. Do not throw away seal. Screw in plastic nozzle and snip off end of nozzle to desired opening. Load cartridge into appropriate size caulking gun and apply. Reseal cartridge to preserve unused product. Can also be applied by puttying or knifing into place.

Substrate Penetration

A clean, dry surface is essential for maximum adhesion. Grit-blasting and degreasing with oil-free solvents is recommended.

Drying

Although tack free in approximately ten minutes at 75°F (24°C), allow a minimum of 72 hours for the solvent to evaporate. Dried product will be stiff and chemically resistant. For best results, cure at elevated temperatures.

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Physical Properties

Color: Black

Viscosity (cps): 2,000,000

Weight Solid (%): 70.0

Volume Non-Volatile (%), ASTM D-2697: 50.4

Density (lb./gallon): 11.2

Specific Gravity (Water=1): 1.34

Tensile Strength (psi), ASTM D-2370 (Post Cure): 1000

Elongation (%), ASTM D-2370 (Post Cure): 200

Theoretical Coverage (sq. ft. / mil / gallon): 809

Theoretical Coverage (cubic inches / gallon): 116

Operating Temperature (Dry): -40°F to 400°F,
with excursions to 500°F

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Curing

Curing can be accomplished by heating solvent free material to 300°F (150°C) for at least one hour. If solvent is present during heating, blistering may result. Gradual temperature elevation will help prevent blistering.

Successive Coats

Allow for solvent evaporation prior to making multiple coats, or blisters may result. Product adheres well to itself.

Shelf Life

12 months from the Date of Certification for unopened containers.

Clean Up

MEK, MIBK and Acetone can be used.

Safety

FLAMMABLE LIQUID – Use in accordance with the Material Safety Data Sheet.

Note

Refer to FluoroGrip® installation manual and instruction guide for use with FluoroGrip® membranes and lining systems.

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