CORCHEM®

PRODUCT BULLETIN

CORCHEM® 139 HEAT RESISTANT SILICONE ALUMINUM

GENERAL	Unmodified, phenyl methyl silicone copolymer combined with bright leafing aluminum weather resistant pigmentation. The polymer structure is extremely heat resistant. This high temperature silicone aluminum coating modeled after Federal Specification TT-P-28 designed to provide a shiny metallic protective finish for substrates and surfaces that will be exposed to atmospheric environments at elevated temperatures. It is formulated to have exceptional ease of application with outstanding adhesion, flexibility, sunlight, and weather resistance properties. The cured film (free of solvents) conforms to United States Department of Agriculture requirements for incidental food contact.
USE	Protective coating for steel mufflers and exhaust manifolds, furnaces, kilns, boiler stacks and shells, hot transfer lines and steam generating equipment. Self-priming to most substrates or it can be used in combination with primers such as CORCHEM® 97 and other CORCHEM® products. The principal use is for corrosion problem areas such as the exterior of hot steel structures and surfaces in petrochemical, power generating and waste treatment facilities. Suggested as an all-purpose, superior quality high heat, industrial maintenance finish.
HAZMAT DATA	Hazard Class 3 – Flammable Liquids This material ships in any quantity via common carrier only. *Refer to Safety Data Sheet for complete Hazmat and Safety information.*
COLORS / FINISH	Silver Aluminum / Low Gloss
VOLUME SOLIDS	36%
DRY COVERAGE	Theoretical (no loss): 576 sq. ft. per gallon for one mil (.001). *See Technical Bulletin for further information.*
DRY FILM THICKNESS	Up to 1.5 mils per coat. Two or more coats to a total dry film thickness of 2.0 to 3.0 mils. *See Technical Bulletin for further information.*
COMPONENTS	One
POT LIFE	Not Applicable.
VOC CONTENT	553 gms/l or 4.62 lbs/gal. Conforms to 40 CFR §59.402 VOC content limits.
THINNER	CORCHEM® 5. Thin only as required for proper application.
APPLICATION METHODS	Air or airless spray and brush (small areas).
TEMPERATURES	Apply at 35°F to 125°F (Air and Surfaces) and 5°F above the dew point.
CURING TIME	Recoat 4 - 48 hours @ 70°F. Full film properties are not obtained until heat cured. Complete curing is achieved after 1 hour at 400°F or by in-service operation.
PACKAGING	1-gallon cans.
SHELF LIFE	1-year from shipment date protected between 40°F and 100°F in its original sealed container.

PUBLISHED TECHNICAL DATA AND INSTRUCTIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
CONTACT YOUR CORCHEM® REPRESENTATIVE FOR CURRENT TECHNICAL DATA AND INSTRUCTIONS.

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MADE IN TEXAS, USA

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