

P-1088

High Heat Coating



Product P-1088 High Heat Coating

Item Class Specialty Coating

P-1088 is a Multi-Polymer Resin High Heat Coating. It is a tough, flexible, abrasion and corrosion resistant coating finding wide use in the following applications: Metal Exhaust Stacks, Heat Exchangers, Engine Mufflers, Jet Engine Parts, Heat Exchange Manifolds, Oven Coating (inside or outside), Exhaust Driven Compressors and High Temperature Equipment. It offers temperature limits of continuous service up to a temperature of +1000 F. This coating offers intermittent service to +1200 F.

Specifications Product is manufactured to meet the performance requirements of the following specifications:

MIL-P-14105D - MIL-P-48699 – Meets same performance requirements as LFSH066

Surface Preparation All materials to be coated must be chemically or mechanically cleaned using a recognized cleaning method and accordingly to the substrate to be coated. Degrease, Grit Blast or Solvent Wipe substrate.

Mixing Instructions

Base	Thinner (Optional)	Mix Ratio
P-1088	CM100	1:.10 Max

Shake well before applying. Product may only be reduced with 3Chem thinner if desired: CM100 (Medium). Reduce product up to 10% max. Thinning of material is optional and not required.

Spraying Viscosity 18-35 Seconds with #2 Zahn cup

Application Instructions

Temperature and Humidity	Minimum	Maximum
Temperature Celsius	11°	35°
Temperature Fahrenheit	52°	95°
Humidity	33%	74%

Spray Equipment

Spray Gun Type	Tip/Nozzle Size	Cap Pressure	Pot Pressure
Conventional Air	1.3 - 1.6 mm	40 to 60 psi	10 to 20 psi
HVLP	1.4 - 1.6mm	10 psi Maximum	10 to 20 psi
Electrostatic	1.2 - 1.5mm	45 to 60 psi	10 to 40 psi

Number of Coats:
Apply one even wet coat within film thickness recommendations.

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Application Instructions Dry times: @ 21° Celsius, 70° Fahrenheit

Touch Dry	Full Dry	Full Cure
30 Minutes	1 Hours	1 Hour @ 400° F (After Full Dry)

* Although not required. Product force cure may be extended by 3 hours at 400° F. Max force cure time at 400° F is 4 hours after Full Dry.

Theoretical Coverage 780 sq. ft / gallon @ 1 mil 18m2 / liter @1 mil
*Coverage based on 100% transfer efficiency rate

Color Flat Black

Gloss 10 maximum @ 60 degrees

Shelf Life 24 Months (When stored in climate-controlled environment between 60-80° F)
*Product may be re-certified upon inspection by 3Chem.

Safety Instructions Always read material safety data sheet (SDS) and product label before utilizing this product. Product SDS is available upon request.

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