

290 High Temperature Silicone

Updated: January 2015

Specification Data

Generic Type: Modified Silicone Alkyd

Description: APC 290 is used to protect the exterior of equipment exposed to medium to high temperatures. Can be used on steampipes, engines, stacks, heat exchangers and other equipment.

Features:

- Temperature resistance up to 1000°F

Solids Content:

Black: 37% by Volume

Aluminum: 24% by Volume

Theoretical Coverage:

Black

- 593 mil ft²
 - 296 ft² @ 2 mil DFT
- Aluminum
- 384 mil ft²
 - 192 ft² @ 2 mil DFT

Allow for loss during mixing & application.

VOC Value:

- Black 4.5 lbs/gal per EPA Method 24
- Aluminum 5.35 lbs/gal per EPA Method 24

Substrate & Surface Preparation

Must be clean and dry. Any dirt, dust, oil, contaminants, loose rust or loose mil scale must be removed.

Immersion Carbon Steel: Not Recommended

Non-Immersion Carbon Steel: Minimum SSPC-SP3 Power tool Cleaning.

Galvanized Steel: Not recommended

Previously painted surfaces: Old coatings must be removed prior to application.

Application Equipment

Spray Application:

- **Conventional:** Pressure pot with dual regulators, 3/8" I.D. material hose, Binks 2001 Gun w/66 series nozzles and 565 needle.
- **Airless:** Graco 36:1 Min. 1/4" material line. Tip size .013. Output PSI- 3000-3600

Brush & Roller: Touch up only

- **Brush:** Natural Bristle
- **Roller:** 1/4" Nap cover with Phenolic Core

Mixing & Thinning

Components: One

Mixing: Power mix to uniform color & consistency

Thinning:

- **Spray:** Up to 12 oz/gal with S100

Application

Pre-application: Flush all equipment with thinner S100

Temperature: Application range from 40°F-110°F surface temperature. Do not apply below 40°F.

Method: Apply one coat maintaining a wet edge to achieve a WFT of 4-6 Mils. Maximum performance will be achieved with two coats totaling 1.5-2 mils DFT.

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Application Continued

Inspection: Visually inspect film to ensure adequate coverage.

Clean up & disposal: After use immediately flush all equipment with thinner S100 or xylene. Dispose of all containers, solvents and unused materials in accordance with all local, state and federal regulations.

Curing schedule:

Times based upon 75°F

Dry to touch: 20 minutes

Dry through: 48 hours

Dry times are greatly affected by weather conditions and film thickness.

Packaging & Handling:

Unit sizes: Ones, Fives and Drums

Shipping Weight: 10 lbs/gal Unit

UN Classification: UN1263, PAINT, CLASS 3, PGIII