



CL 9330 EXTREME HI-TEMP COATING (400-700°C)

GENERIC TYPE: Two components, modified silicone.

TECHNICAL INFORMATION

CL 9330 EXTREME HI-TEMP COATING that withstands continuous temperature of 1000°F (538°C) surges up to 1292°F (700°C) and exhibits outstanding resistance to thermal shock from 1000°F (538°C) to 32°F (0°C). Only one coat is required but may be applied over **CL 9310 Heavy Duty Coating Primer** base coat for superior performance.

RECOMMENDED USES

Recommended for coating stacks, breeching, furnaces, hot piping, mufflers, exhausts and other elevated temperature steel surface in any industries including marine. Generally used where temperature exceed 500°F (260°C).

NOT RECOMMENDED FOR

Immersion service or exposure to splash and spillage of acids or alkalies.

CHEMICAL RESISTANCE GUIDE

<u>EXPOSURE</u>	<u>SPLASH & SPILLAGE</u>	<u>FUME</u>
Acid	Fair	Fair
Alkalies	Poor	Fair
Solvents	Good	Good
Salt	Good	Very Good
Water	Good	Very Good

TEMPERATURE RESISTANCE: (Non-Immersion)

Continuous: 1000°F (538°C)

Non-continuous: 1292°F (700°C)

FLEXIBILITY: Good

WEATHERING: Excellent

ABRASION RESISTANCE: Good

SUBSTRATE: Carbon steel or stainless steel.

TOPCOAT REQUIRED: None required.

PRIMER REQUIRED: None required. A primer coat of CL 9310 Heavy Duty Coating Primer however, will greatly increase service life over steel.

SPECIFICATION DATA

THEORETICAL SOLIDS CONTENT OF MIXED MATERIALS:

By Volume

CL 9330 EXTEME HITEMP COATING 10%± 2%

RECOMMENDED DRY FILM THICKNESS PER COAT

50 microns. Two coats are recommended over steel and one coat over inorganic zinc.

Do not apply when the surface temperature is less than 5°F (2°C) above the dew point. Special thinning and applications techniques may be required above or below conditions.

SPRAY: Use sufficient air volume for correct operation of equipment. Use a 50% overlap with each pass of the gun. On irregular surface, coat the edges first, making an extra pass later.

BRUSH OR ROLLER: Spray is recommended. For small areas or touch up, use natural bristle brush, applying with full strokes. Avoid re-brushing. Use short nap mohair roller with phenolic core.

DRYING TIME

Between Coat:

16 hour 40°F (4°C)

8 hour 50°F (10°C)

4 hour 60°F (16°C)

2 hour 75°F (24°)

1 hour 90°F (32°C)

FINAL CURE: To obtain properties, coating can be cured in service at temperature of 350°F (177°C) over a six hour time period.

REPAIR/ TOUCH UP PROCEDURES: Recommended for small areas only. Surface defects, runs or rags: Hand or power sand or grind area until level with surrounding surface.

Mechanical damage to substrate: Power sand or grind affected area to provide a surface comparable to a commercial blast finish (SSPC-SP6-82).