



Product Description:

TemperKote 1200 OEM is an industrial Hi-heat coating specifically designed for OEM applications. This coating delivers a smooth, uniform appearance with a fast dry time. Special pigments are utilized to achieve maximum heat resistant properties and color stability.

Characteristics:

Colors	Black		
Finish	Flat	Resin Type	Silicone Alkyd
Thermal Stability	1200°F (649°C)	VOC	Less Than 3.5 lbs. /gal (420 g/L)
Color Stability	1200°F (649°C)	Flash Point	45°F (7.2°C) (PMCC)
Type of Cure	Resin cross-linking	Reducer/Cleaner	Xylene
Application Temperature	50°F (10°C) to 120°F (49°C)	Packaging	1, 5 & 55 gal. containers
Application Humidity	Maximum 85% RH Temperature must be at least 5°F above the dew point	Shelf Life	2 year (unopened)
Solids By Volume	30%	Storage Temperature	40°F - 100°F
Weight Per Gallon	9.7 lbs (4.5 kg)	Solids By Weight	42%
Spreading Rate per Coat	239 - 319 sq. ft./gal 5.0 – 8.3 mils wet, 1.5 – 2.5 mils dry		
Recommended Film Thickness	5.0 – 8.3 mils wet, 1.5 – 2.5 mils dry		
Drying Time @ 77°F (25°C) & 50% R.H.	To touch	30 minutes	
	To recoat	4 hours	
	To ship	24 Hours	

Recommended Uses:

TemperKote 1200 OEM is designed for use wherever maximum resistance to heat, humidity, and weather is required. TemperKote 1200 OEM is formulated for superior sprayability with smooth, uniform coverage. TemperKote 1200 OEM dries fast for quick handling. This product can be used on heaters, stacks, boilers, breeches, mufflers, radiators, storage tanks, pipelines, steam lines, etc., where operating temperature will not exceed 1200°F (649°C). **Not recommended** for use on the **inside** of ovens, stacks, etc.

Performance Information:

This highly advanced coating performs as well as many pure silicone coatings, but has the distinct advantage of air-curing. TemperKote 1200 OEM can be applied directly to most types of metals including stainless steel. TemperKote 1200 OEM provides excellent corrosion protection coupled with outstanding weatherability. The curing mechanism is a unique combination of solvent evaporation and resin cross-linking. This allows the coating to quickly air dry for handling in fast paced production environments.



Surface Preparation:

General:

For best results surfaces should be free from oil, grease, dirt, mill scale, rust, corrosion products, oxides, paint and foreign matter. All surfaces should be solvent cleaned per SSPC-SP1 and meet SSPC-SP3 minimums with surface profile of 1.0 - 1.5 mils.

STEEL:

Remove all flux, splatter and slag left from welding. Grind all welds until smooth. Remove rust, mill scale, oil grease, and other contamination by solvent cleaning per SSPC-SP1.

For Typical Industrial Environments a low profile, near-white metal blast, SSPC-SP10, is preferred as it will give best results, especially where higher service temperatures are anticipated. Blast profile should be 1.0 - 1.5 mils. Remove all remaining abrasive from surface by air blasting. Coat the freshly blasted surface as soon as possible. Do not allow surface to become wet. Do not wash freshly blasted surface with solvents. For small difficult to reach areas, SSPC-SP11 power tool cleaning to bare metal is acceptable.

For Severe Environments blast surface to commercial blast profile per SSPC- SP5.

NEW GALVANIZED SURFACES:

Remove all oil, grease and flux by solvent cleaning per SSPC-SP1.

WEATHERED GALVANIZED SURFACES:

Remove all dirt, oil and grease by solvent cleaning per SSPC-SP1. Remove rust or foreign deposits by wire brushing per SSPC-SP2 or power tool cleaning per SSPC-SP3.

STAINLESS STEEL SURFACES:

Surface must be clean and dry. Remove all oil, grease, soil, drawing and cutting compounds and other foreign matter by solvent cleaning per SSPC-SP1.

DO NOT USE CHLORINATED SOLVENTS ON STAINLESS STEEL SURFACES.

For large areas steam clean with an alkaline detergent followed by steam or fresh water wash to remove residue.

Application:

Mix thoroughly by boxing or stirring. Can be applied by brush, roller or spray. Spray application is desired, as a more uniform film is generally obtained. **Do not apply heavier film than specified, as the coating may blister when heat is applied.**

Application Equipment:

AIRLESS SPRAY:

Titan 740 Impact (or Equivalent)

Fluid pressure 2700 - 3100 psi

Manifold Filter 60 Mesh

Gun Filter 60 Mesh

Hose ¼" diameter

Gun LX-8011

Tip015 - .021

FOR INDUSTRIAL USE ONLY

Read MSDS before opening containers

KEEP OUT OF THE REACH OF CHILDREN

Precautions:

DANGER! FLAMMABLE LIQUID & VAPOR: CONTAINS TOLUENE & PETROLEUM DISTILLATES. VAPOR HARMFUL. MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. CAUSES EYE, SKIN, NOSE AND THROAT IRRITATION. NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Keep away from heat, sparks and flame. VAPORS MAY CAUSE FLASH FIRE. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation.

USE ONLY WITH ADEQUATE VENTILATION. Do not breathe vapors or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application. Follow respirator manufacturer's directions for respirator use. Close container after each use. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

FIRST AID: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water. If swallowed, get medical attention immediately. If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent container and unused contents in accordance with local, state and federal regulations.

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