



**DESCRIPTION:**

TemperKote No. 450C-L-1156 is a VOC Compliant silicone copolymer coating, designed to meet the stringent demands of a high temperature resistant coating for use on aluminized steel. The material has a low luster to enhance the uniform appearance of the exhaust system components.

The curing mechanism is a combination of solvent evaporation and resin cross-linking. The coating air dries to a tough finish, and is designed to withstand handling in a short period of time at ambient temperature (77°F).

**RECOMMENDED USES:**

Wherever maximum resistance to heat, humidity, and weather is required; can be used on manifolds, mufflers, and radiators where the maximum temperature is 842°F (450°C).

**USED BY:**

Schools, Colleges, Nursing Homes, Child Care Centers, Hospitals. Penal Institutions, Apartments, Hotels, Factories, Warehouses, Retail Stores, Restaurants, Utilities, Railroad and other Transportation Companies, Oil and Chemical Installations, Military Installations and other facilities where fire retardant coatings are required.

**PERFORMANCE INFORMATION:**

- This unique coating performs as well as many pure silicone coatings, but has the distinct advantage of air-curing, and has excellent adhesion to the aluminized steel. It also affords good corrosion resistance, and has outstanding weather resistance. Do not apply on interior surfaces of ovens, stacks, etc.

**CHARACTERISTICS:**

**Finish** . . . . . Low Luster Black

**Spreading Rate Per Coat** . . . . .  
539 sq.ft/gal. (13.2 m<sup>2</sup>L) @ 1 mils dry

**Coating Thickness (DFT)** . . . . .  
1 mil minimum  
2 mil typical

V.O.C . . . . . 3.5 lbs./gallon (418 g/L)

**Solids by Weight** . . . . . 49% ± 2%

**Solids by Volume** . . . . . 33% ± 2%

**Drying Time @ 77°F (25°C) & 50% R.H.**

To touch . . . . . 15 min

To handle . . . . . 30 min

To recoat . . . . . 2 hours

Air dry to cure . . . . . 15 min  
then 3 minutes @ 200°F

**Type of Cure** . . . . . Solvent Evaporation/  
resin cross-linking

**Flash Point of Liquid Coating** . . . . . 40°F (4.5°C)  
(Pensky-Martens closed cup)

**Reducer/Cleaner** . . . . . Reducer 555

**Shelf Life** . . . . . 2 years (unopened)

**Packaging** . . . . . 1 & 5 gal. containers  
weight/gal. 9.3 ± 0.2 lbs.

**Shipping Weight.** . . . . . 4 gals. - 40 lbs.  
5 gals. - 50 lbs.

**Application** . . . . Brush, roll, conventional  
and airless spray

**PRECAUTIONS:**

WARNING! FLAMMABLE LIQUID & VAPOR: CONTAINS XYLENE & 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.

Read MSDS before opening containers

KEEP OUT OF REACH OF CHILDREN

**SURFACE PREPARTION:**

Steel or aluminized steel: Surfaces should be clean, free of grease, oil, etc. Solvent clean. All corrosion, rust, etc. must be removed.

**APPLICATION:**

Spray with conventional electrostatic, HVLP or airless. Adjust to manufacturer specifications. Use Xylol if thinning is necessary. Can be brushed on with excellent application results.

**APPLICATION EQUIPMENT:**

**Conventional Spray**

Air Supply . . . . . 11.5 CFM, 50 psi  
fluid 15 psi

Gun . . . . . Graco 217-800 to 217-816

Type . . . . . External Mix

Reduction . . . . . Up to 7%

**Airless Spray**

**Titan 740 Impact (or Equivalent)**

Pump

Fluid Pressure . . . . . 2100-2600 psi

Manifold Filter . . . . . 60 Mesh

Gun Filter . . . . . 60 Mesh

Fluid Hose . . . . . ¼" diameter

Gun . . . . . LX-80 II

Tip . . . . . .013 - .017

As we cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products, may be used, we accept no responsibility for results obtained by the application of this information or the safety or suitability of our products, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combination for their own purposes. We sell the products without warranty or guarantee, and buyers and users assume all responsibility and liability for loss or damage from the handling and use of our products, whether used alone or in combination with other products.