

Viking Paints, Inc.

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PRODUCT & TECHNICAL DATA SHEET

<u>PRODUCT LINE</u>	High Temperature Black
<u>PRODUCT NAME</u>	REVMASTER[®] EXPANSION CHAMBER COATING (ECC) 1400° HIGH TEMPERATURE BLACK
<u>MANUFACTURER</u>	Viking Paints, Inc.
<u>DESCRIPTION</u>	ECC-1400° is a superior, high-temperature coating. It was conceived and formulated specially for high temperature environments. When properly applied it will not flake, discolor, or promote rusting. It has been extensively dyno and field tested to 1400° Fahrenheit with excellent results. Pigmented with temperature resistant special blacks, it will not discolor even after hundreds of hours of use. Fortified with uniquely reacted silicon-epoxy technology it stays put, with no flaking off or loss of adhesion.
<u>BASIC USES</u>	Internal combustion engine exhaust systems pipe coatings, fire place mantles, BBQ grills, space heaters, and other environments where high temperatures cause discoloring, rusting, flaking, etc.
<u>PHYSICAL DATA</u>	Weight Per Gallon: 9.156 lbs. Solids Wt./Gallon: 50.14% Solids Wt./Volume 34.33% For additional information, please refer to the Safety Data Sheet.
<u>TECHNICAL DATA</u>	SPECIFIC GRAVITY (H ₂ O=1): 1.10 VAPOR DENSITY: Heavier than air EVAPORATION RATE: Slower than ether SOLUBILITY IN WATER: Non soluble APPEARANCE RANGE: Black Liquid ODOR: Aliphatic-aromatic odor V.O.C. 547.33g/l For additional information, please refer to the Safety Data Sheet.
<u>SURFACE PREPARATION</u>	<u>For new steel surfaces</u> , wipe down parts to be coated with a quality, mid-temperature lacquer thinner (REVMASTER[®] #1782). Allow to dry. <u>For previously coated or rusted surfaces</u> , media blasting is the only method of preparation recommended. Then prepare the same as described for new steel surfaces.
<u>APPLICATION</u>	Conventional spray or electrostatic spray equipment. Note ** Indicate which will be

used at the time of ordering. Thin the product 10 to 15% with a quality, mid-temperature lacquer thinner. Apply just enough paint to achieve coverage in one coat by using a 1-pass 50% overlap spray pattern. This puts on 2 mil (.002) of paint (wet film thickness) which dries down to .6 mils (.0006) after solvent evaporation. Multiple coats of ECC-1400° will induce blistering and flaking. The best way to be absolutely sure the maximum dry film thickness is not exceeded is to purchase a dry film thickness meter. An excellent product is available from E.T.G. Products, Asoma Instruments 1-716-629-8855. The model number is SN-2183.

CURE SCHEDULE

Curing should be done no sooner than 24 hours after the last coat has been applied. This will assure that solvent is no longer present in coating. Curing may be accomplished by the inherent heat of operation. For proper curing of coated surfaces, ECC-1400° should be brought up to a temperature of approximately 400-500°F and maintained there for 30-40 minutes, then allowed to cool to ambient air temperature. Coated surfaces will then be ready to place into full service at a maximum operating temperature up to 1400° Fahrenheit. Some odor and smoke may evolve, which is a natural part of the curing process.

COVERAGE

Applying a 2 mil (.002) film, ECC-1400° will cover approximately 800 square feet per gallon.

LIMITATIONS

DO NOT attempt to cover score marks, etc. by loading on ECC-1400°. Doing so will only lead to blistering or premature failure of the film when it is heated to high temperatures. Apply only one thin to medium continuous coat of film - just enough to get a uniform film covering the surface. This is VERY IMPORTANT in order to prevent blistering or failure at high temperatures. DO NOT RE-COAT PREVIOUSLY PAINTED ITEMS!

PACKAGING

ECC-1400° is available in 1 gallon cans, 5 gallon pails, and 55 gallon drums.

WARRANTY

The manufacturer warrants all materials to be free from defects and will replace any material proven to be defective when applied according to our specifications -- at no costs -- within a period of one year. No other warranties are implied or intended.