



*Coatings Excellence Since 1899*

## PRODUCT DATA SHEET

### Ceramel All Purpose Urethane-modified Enamel Pastel Base

**Product Code:** 021582

#### DESCRIPTION

Ceramel All Purpose Urethane-modified Enamel is formulated for use over painted metal, degreased metal, primed metal, doors, sash, iron, shutters, storage tanks, machinery, ornamental iron, cabinets, furniture and many other substrates.

It is recommended wherever a durable oil and water resistant finish is required. Ceramel exhibits excellent color retention, high opacity, easy application and excellent resistance to water damage. It has an outstanding adhesion to equipment subjected to vibration and temperature changes.

#### FEATURES

- Excellent Color Retention
- High Opacity
- Easy Application
- Durability

#### SANDBLASTING

Professional Painters may prefer to lightly sandblast metal surfaces to remove mill scale or light rust followed by broom cleaning.

#### APPLICATION

Ceramel is ready to use from the can. Stir paint thoroughly before and during use. Use a premium quality brush for the best penetration and adhesion. Areas requiring spot priming such as seams, joints around fasteners, flashing, and rusty areas should be done first. Sand or lightly roughen surface with steel wool or sandpaper between coats. Do not paint hot metal or in direct sunlight. Fast solvent flash off on hot surfaces causes film disruption and loss of gloss were lapping occurs. It may not be possible to spread paint to a uniform film thickness on hot metal surfaces.

#### COLOR UNIFORMITY

To ensure uniformity of color, intermix all containers of the same color.

#### PHYSICAL PROPERTIES

Vehicle Type:	Urethane-modified Alkyd
Flash Point:	105 °F
Weight Solids:	58 - 62 %
Volume Solids:	41 - 45 %
Weight Per Gallon:	9.0 - 9.4 lbs/gal
60° Gloss:	> 85
English VOC:	< 3.8 lbs/gal
Metric VOC:	< 450 g/l
Dry to Touch:	< 2 hours
Dry to Hard:	< 8 hours
Dry Film Thickness:	695 sq ft (1 mil dry film)
Application Method:	See Paragraph
Reduction Solvent:	No Thinning Required
Clean Up Solvent:	022008 Mineral Spirits

1. A light screening to roughen the surface is recommended after 48 hours cure to ensure proper intercoat adhesion.

#### RECOMMENDED PRIMERS

021549 Ceramel Rustproof Primer Red

5/6/2009 - This document supercedes all previous product data sheets.

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**SAFETY:**

Before starting any of the following procedures, be sure you have and use Personal and Environmental Protective Equipment for all hazards involved. Please read the Material Safety Data Sheet information before using this product.

**ADVISORY:**

The National Paint and Coatings Association (NPCA) has determined that 80% of all paint and coatings failures can be directly related to improper or inadequate surface preparation.

National Paint and Coatings Association, [www.paint.org](http://www.paint.org)

**CAUTION!**

**COMBUSTIBLE LIQUID AND VAPOR;**

**WARNING!**

**VAPOR HARMFUL!  
HARMFUL OR FATAL IF SWALLOWED;**

**PRECAUTIONS:**

Dry times for this product are based on laboratory tests at 77 °F and 50% relative humidity. Low temperature, high humidity, heavy application and excessive film build will extend drying times.

**WARNING:**

Use only with adequate ventilation. Do not breathe vapors or spray mists. Ensure fresh air entry during application and drying. If sanding, applying by spray application, or you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor mist levels above applicable limits, wear an appropriate properly fitted respirator (NIOSH approved) during and after application. Follow manufacturer's directions for respirator use. Close container after each use. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

If you scrape, sand or remove old paint from any surface, you may release lead dust or other chemical dust hazards. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.

Wear a NIOSH-approved respirator to control dust exposure. Carefully clean up with a wet mop or HEPA vacuum. Before you start, find out how to protect yourself and your family by contacting the U.S. EPA/Lead Information Hotline at 1-800-424-LEAD (5323) or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

National Institute for Occupational Safety and Health, [www.cdc.gov/niosh/programs/](http://www.cdc.gov/niosh/programs/)  
Mine Safety and Health Administration, [www.msha.gov](http://www.msha.gov)

**FIRST AID:**

If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. If swallowed, do not induce vomiting. CALL PHYSICIAN IMMEDIATELY. In case of eye contact, flush eyes immediately with plenty of water for at least 15 minutes and get medical attention immediately; for skin, wash thoroughly with soap and water.

**SPILL:**

If spilled, contain spilled material and remove with inert absorbent.

**DISPOSAL:**

Dispose of contaminated absorbent, container, and unused contents in accordance with local, state and federal regulations.

Always consult your Sampson Coatings Representative for Special Problem Applications.

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