CoteAll 340 is a premium quality, high gloss, alkyd enamel formulated for use in mild to moderate industrial environments. CoteAll 340 is designed for new construction and maintenance applications where good gloss, color retention as well as outstanding durability are desired. CoteAll 340 integrates new technology to meet Illinois and OTC's VOC requirements with the proven performance of CoteAll allowing confident protection of tough environments.

**Product Description**

**Intended Uses**

- Interior/exterior surfaces
- Various industrial environments
- Wide variety of primers
- Apply to:
  - Ferrous metal
  - Maintenance applications
  - Touch up or repairs
- Protects:
  - Tanks
  - Ag-Chem applications
  - Primed surfaces

The above are general recommendations and not intended to limit the use of CoteAll 340. Test areas are always recommended to confirm results. **NOT INTENDED FOR IMMERSION SERVICE.**

**Physical Properties**

| Resin Type | Alkyd |
| Finish/Sheen | High Gloss, 85+ @ 60° | Satin, 25–35 @ 60° | Low Sheen, 0–5 @ 60° |
| Bases | White Base AZ-1431, Deep Base AZ-1433, Neutral Base AZ-0434 |
| Colors | High Gloss: Available in various ready mix colors including safety and implement colors. |
| | Satin: Bronze AZ-8437, Black AZ-9431 |
| | Low Sheen: White AZ-1439, Black AZ-9433 |

- Solids by Weight: 71%
- Solids by Volume: 56%
- Theoretical Coverage*: 898 ft²/gal @ 1 mil
- Dry Film Thickness / Coat: 2.0–3.0 mils (50–75 microns)
- Wet Film to Achieve DFT: 4.5–5.3 mils (87.5–132.5 microns)
- Coverage at DFT*: 299–449 ft²/gal
- VOCs: 2.8 lbs./gal (340 grams/liter)
- Thinning: Not Typically Needed
- Reduction Solvents: TBAC (Tertiary-Butyl Acetate) Diamond Vogel N-8006
- Clean-up Solvents: Diamond Vogel N-1110 Mineral Spirits or N-3023 Xylol
- Drying Time**: Set to Touch: 4–6 hours at 70°F (21°C) and 50% Relative Humidity
  - Recoat: 8 hours at 70°F (21°C) and 50% Relative Humidity
  - Dry Through: 12 hours at 70°F (21°C) and 50% Relative Humidity
  - ASTM D1640-83 reapproved 1989

* Coverage rates are estimates based on the products volume solids and make no allowance for material loss during application. Actual spread rates may vary dependent on applicator experience, surface porosity and texture.

** Dry times vary with surface temperature, air movement, humidity and film thickness.

**Performance Characteristics**

CoteAll 340 meets or exceeds the following performance testing criteria:

<table>
<thead>
<tr>
<th>Test Name</th>
<th>Test Method</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUV Condensation</td>
<td>ASTM D 4587 - 1,155 hours</td>
<td>Passes</td>
</tr>
<tr>
<td>Heat Resistance</td>
<td>ASTM D 2485 High Temperature Service</td>
<td>Passes at 250°F (121°C)</td>
</tr>
</tbody>
</table>
Qualifications

Suitable for use in USDA inspected facilities.
VOC Compliant: AIM, OTC

Surface Preparation

All surfaces must be clean, sound, dry and free of all dirt, dust, wax, oil, grease, chalk and any other contamination that would interfere with new coating adhesion. Bare surfaces must be properly prepared and primed prior to application of this product. See “System Selector” for appropriate primer to use depending on the substrate.

Masonry Surfaces - Poured Concrete, Concrete Block*: New concrete and mortar should cure for a minimum of 30 days at 72°F (22°C) prior to coating application. Level all surface projections and mortar spatters by stoning. Rake mortar joints clean and remove all soluble salts.

Wood Surfaces: Sand smooth any exposed wood surfaces. Patch nail holes and any imperfections with wood filler or putty and sand smooth.

Remove sanding dust.

New Ferrous Metal & Previously Painted Surfaces: Power or hand washing is recommended to remove contamination. If oil or grease is present, use of a cleaner/degreaser is required. All cleaning residue must be completely rinsed from the surface. Allow to dry. Remove all loose coatings, rust and corrosion by scraping, sanding or other abrading method as per SSPC-SP-2, Hand Tool Cleaning and SSPC-SP-3, Power Tool Cleaning. For new steel and complete removal of the old coating, abrasive blast according to SSPC-SP-6, Commercial Blast Cleaning. Use proper abrasive to achieve a 1.5 to 2.0 mil profile as per SSPC-SP-6, Commercial Blast Cleaning. Blasted surfaces must be primed before flash rusting occurs.

Aluminum Surfaces:
New aluminum must be solvent wiped to remove contamination, then use an etching solution or abrade the surface by sanding. Aged aluminum should be power or hand washed with detergent and rinse thoroughly. The surface must be dull and slightly rough: use an etching solution or sand if needed.

New Galvanized Metal Surfaces*: Solvent wipe to remove surface contamination, then use an etching solution or abrade the surface by sanding.

Weathered Galvanized Surfaces*: Power or hand wash with detergent and rinse thoroughly. The surface must be dull and slightly rough; use an etching solution or sand if needed.

Mildew: Remove by using a solution of one part household bleach and three parts water. Apply to mildewed area and scrub. Allow solution to remain on the surface for 3 to 5 minutes and then rinse completely and allow to dry before coating application.
*Alkyd coatings are not recommended for direct application to unprimed masonry surfaces or unprimed galvanized surfaces.

Application

Stir material thoroughly prior to application. Intermix tinted containers to ensure color uniformity of all material. Minimum surface and air temperature required for application is 40°F (4°C) and at least 5°F (3°C) above the dew point. While this product is not subject to freezing, curing is affected by temperature, humidity and air movement. The minimums must be maintained for at least eight (8) hours in order to achieve proper film formation. Application at elevated temperatures, wind conditions, and/or low humidity may require special application procedures to achieve proper film formation. Alkyd coatings are not recommended for direct application to unprimed masonry or galvanized surfaces.

Brush or Roller: 2 coats may be required to achieve proper dry film thickness when using brush or roller application. Apply product in full even coats. Maintain a wet edge. Allow the product to dry between coats (see the drying times chart for recoat period). A good quality natural bristle brush will make application easier. Select a roller cover suited for the texture of the surface to be coated.

Airless Spray: Flush airless lines with Diamond Vogel N-1110 Mineral Spirits. Equipment must be clean prior to start. Apply a wet coat in even, parallel passes with 50% overlap to avoid bare areas and pinholes. If required, crosshatch spray at right angles. Allow the product to dry between coats.

<table>
<thead>
<tr>
<th>Tip Orifice</th>
<th>Atomizing Pressure</th>
<th>Material Hose ID</th>
<th>Manifold Filter</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.013&quot; to 0.015&quot;</td>
<td>2500–3000 PSI</td>
<td>1/4&quot;</td>
<td>60 mesh</td>
</tr>
</tbody>
</table>

Packaging

<table>
<thead>
<tr>
<th>Product</th>
<th>1 Gallon</th>
<th>5 Gallon</th>
<th>Product</th>
<th>1 Gallon</th>
<th>5 Gallon</th>
</tr>
</thead>
<tbody>
<tr>
<td>CoteAll 340 Gloss</td>
<td>1 Gallon Pail</td>
<td>5 Gallon Pail</td>
<td>CoteAll 340 Gloss</td>
<td>9.91 lbs. (4.5 kg)</td>
<td>49.55 lbs. (22.48 kg)</td>
</tr>
</tbody>
</table>

Storage

Two years from date of manufacture when maintained in protected area at a temperature of 40° to 100°F. (4° to 38°C). Subject to inspection thereafter.
Safety Precautions

*WARNING! If you scrape, sand, or remove old paint, you may release lead dust. 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 lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Paint products contain chemical ingredients, which are considered hazardous. Prior to use, read container label warnings and the current Material Safety Data Sheet for important health and safety information. Ensure these instructions are practiced during product application and cure. Keep out of the reach of children.

Safety Data

“Material Safety Data Sheets” are available from your Diamond Vogel representative or the Diamond Vogel website at www.diamondvogel.com. Prior to use of this product, obtain and review the Material Safety Data Sheet for health and safety information. Read and observe all precautionary notices on container labels. NOT INTENDED FOR RESIDENTIAL USE.

Limited Warranty

The technical data and suggestions for use contained in this document are true and correct to the best of our knowledge at the date of issuance. The statements of this document do not constitute a warranty, expressed or implied, as to the performance of these products. Since Diamond Vogel Paints does not control the application of its products, or the condition of the surfaces to which they are applied, Diamond Vogel Paint’s liability will under no circumstances exceed replacement of the product. All technical information is subject to change without notice.

Cautions & Warnings

WARNING!
COMBUSTIBLE LIQUID AND VAPOR.
CAUSES EYE IRRITATION.

Contains: Mineral Spirits. VAPOR HARMFUL. MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. CAUSES NOSE, THROAT AND SKIN 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. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. KEEP OUT OF REACH OF CHILDREN. First Aid: In case of eye contact, flush immediately with plenty of water for at least 15 minutes and call poison control center, hospital emergency room, or physician immediately; for skin, wash thoroughly with soap and water. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, call poison control center, hospital emergency room, or physician immediately. If swallowed, do not induce vomiting. Call poison control center, hospital emergency room, or physician 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.