

## PRODUCT DATA SHEET: DCT-110 Series Primer

**DCT-110 Series Alkyd Primer****HAP's Free, Fast Dry, Anticorrosive Alkyd Primer****Product Description:**

**DCT-110 Series** is a HAPs Free, VOC Compliant, fast drying, non-lifting alkyd primer designed for use on steel surfaces. This product has excellent adhesion and provides good corrosion resistance in a single package, fast dry primer.

**Film Thickness:** 1.0-1.5 mils Dry Film Thickness

**Features and Advantages:**

- ✓ HAPs Free
- ✓ VOC compliant 3.00 lbs./gal (359.4 g/liter)
- ✓ Fast Dry with excellent adhesion to steel
- ✓ Excellent saltwater resistance and good corrosion resistance
- ✓ Surface tolerant; requires minimal surface preparation (SSPC SP-1 and SSPC SP-2 or SP-3 minimum). May be applied over intact, existing coatings (small test recommended before full application)
- ✓ May be recoated with a variety of solvent-borne or waterborne topcoats
- ✓ Available in Gray, Red Oxide & Yellow Oxide color

**Mixing:** Thoroughly mix new product for 3-5 minutes until uniform to re-disperse any pigments or solids that may have settled during shipment. A mechanical power blade or propeller mixer is recommended.

**Application:** Air and substrate temperatures must be at least 35°F or higher and should be 5°F (3°C) above the dew point and should remain steady or rising during the application and drying period.

**Recommended Uses:**

**DCT-110 Series** is designed for a variety of uses including: the priming of steel oilfield storage tanks, valves and pipes, oilfield equipment refurbishing, transportation equipment, earth moving equipment and metal fabrication. Not recommended for galvanized surfaces.

**Conventional spray** – Separate air and fluid regulators are recommended. Use DeVilbiss MBC gun; 704 air cap; F tip and needle or DeVilbiss JGA gun; 765 air cap; E tip and needle, or equal. Atomization air pressure 60-75 psi. Fluid pot pressure should be approximately 8-10 psi or as needed to deliver 12-16 fluid ounces per minute.

**Airless Spray** – Use a 30:1 ratio or higher Graco air driven fluid pump; Graco Silver Plus gun with 0.013" – 0.017" orifice reverse-clean tips or equal. Fluid pressure should be 1,800 – 2,000 psi or as needed to eliminate "fingering".

**Product Data:**

<b>Coating Type:</b>	Modified Alkyd
<b>VOC:</b>	3.00 lbs. /gal (359.4 g/L) 0.0 lbs.
<b>HAPs:</b>	/gal (None)
<b>Volume Solids:</b>	53.5% (+/- 2%)
<b>Weight Solids:</b>	72.5% (+/- 2%)
<b>Density:</b>	10.89 (+/-0.3 lbs. /gal (mixed) (@ 1.0 – 1.5 mils DFT)

**Brush and Roller** – Use synthetic brushes designed for waterbased products. Use 1/4" nap foam rollers. Apply in a manner to avoid excessive back brushing or back rolling.

### **Dry Times and Cure Schedule:**

Dry times @ 77°F (25°C) and 50% Relative Humidity.

**To Touch:**                ≈ 30 minutes

**To Handle:**             ≈ 45 minutes

**Dry Hard:**               < 60 minutes

**Note:** Dry times vary depending on temperature, humidity, film build and air movement.

Sufficient air movement (use of fans at ambient temperature) is critical to obtain the fast dry and fast set properties of this waterbased product.

### **Surface Preparation:**

The substrate must be clean, dry and free of all dust, dirt, and oil, grease, cleaning compounds, salt deposits or other contaminants.

In dip tank applications, remove all contaminants from parts before dipping to prevent introduction into the tank.

### **Clean up:**

Flush equipment immediately after use with soap / detergent and water. Dried product may be removed with MEK, lacquer thinner or paint stripper. Use hand cleaners (Goop etc.) or soap and water to remove any material from hands or skin. The use of hand and skin lotions is recommended after cleaning skin.

### **Health and Safety:**

**Keep out of reach of children.**

**This product is not intended for household use.**

Follow the manufacturer's instructions on the proper use and maintenance of spray equipment. High pressure airless spray equipment can inject coatings into the skin and may cause serious injury.

This product is considered non-hazardous and any waste from this product is considered non-hazardous in the wet or dry form. Dried residue on cardboard, paper, rags, absorbent etc. can be disposed of as common, nonhazardous municipal waste.

For best housekeeping procedures, Duncotek recommends to follow all local, state and federal regulations for the proper handling and disposal of all waste.

**Read and understand the Safety Data Sheet (SDS) before using this product.**

**Packaging:** 5 Gallon Plastic Pails  
55 Gallon Drums

Disclaimer: Information presented in this Product Data Sheet is believed to be true and accurate and is generated or obtained from accurate and reliable sources. Information is provided here only as a guide to proper product use. However, since Custom Chemicals and Coatings has no direct control over the transport, storage or application of this product, no guarantee of accuracy, completeness, fit-for-use, or ultimate performance of this product is given or implied.



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