

## TECHNICAL DATA SHEET

**PRODUCT NAME:** **CONCRETE-DeFender** – High performance, extremely durable, fast dry, water-based coating.

**PRODUCT FEATURES:** Water-base, Non-Flammable, Tough, Fast Drying, Very Durable, Safe Paint. It contains special resins and aggregates to provide non-slip, durability and excellent bonding properties. Under normal application conditions this coating is ready for foot traffic in an hour and heavy traffic in 2 - 3 hours.

**RECOMMENDED USES:** Can be applied as an anti-slip coating that is very durable and extremely tough on Asphalt, Concrete, Metal or Wood. Beautify and rejuvenate old concrete or asphalt driveways, walkways, concrete curbs etc. Paint wooden decks and steps to impart protection and non-skid properties.

**SURFACE PREPARATION:** Substrates must be dry and free of dirt and grease and loose debris. New Asphalt and Concrete must be aged for at least 30 days and cured properly and free of any laitance before paint is sprayed. Please get an expert opinion before spraying hard to stick surfaces or for problematic conditions.

**APPLICATION EQUIPMENT:** Mix thoroughly before use. Can be applied using Brush, Roller or Airless spray machines. Please check the proper pump pressures, tip sizes, atomizing pressures that are best suitable to get the most efficient spray pattern for the correct mil thickness and width of line for each project. This is a very fast dry paint. Under hot conditions it could dry very fast. Slow down drying by adding small amounts of water. For certain applications, problematic substrates, use of USSC clear concrete primer is recommended.

**APPLICATION CONDITIONS:** Substrate temperature should be above 50 deg. F and less than 80 % humidity. Intra-day Cold temps or high humidity will affect the proper chemistry of the paint dry mechanism and could lead to paint failure. It is imperative all proper applications conditions are met. Protect paint till completely dry.

**STORAGE & WASTE DISPOSAL:** For professional use only. Keep water based paints from freezing. Keep away from children. Proper agitation and mixing of paint is imperative to ensure proper spray consistency, application results and performance. Make sure lids are properly closed and resealed properly to avoid any spillage during prep work or transportation. Strictly comply with all local and federal regulations during storage, application and disposal of paints.

## SPECIFICATION DATA

<b>Resin Type:</b> Water-based 100 % Acrylic Latex co-polymer.	<b>Weight per Gallon:</b> 13.0 – 13.2
<b>Container:</b> 5 gallons or 55 gallon drums or 275 totes.	<b>Pigment Weight :</b> 46 – 48 %
<b>Color:</b> White, Black, Gray, White, Brick Red, Custom colors.	<b>Grind:</b> 5 Hegman minimum.
<b>Viscosity:</b> 80 - 90 KU.	<b>Pigment Volume:</b> 30 – 42 %
<b>Finish:</b> Satin.	<b>Dry Opacity:</b> 5 mils Bird, .92 , min.
<b>Weight Solids:</b> 60 - 65 %.	<b>Directional Reflectance:</b> 85 min.
<b>Volume Solids:</b> 50 % minimum.	<b>Water Resistant:</b> Good.
<b>Volatile Organic Compounds:</b> 1.25 lb/gal or 150 gms / lit.	<b>Clean-up:</b> With soap and water.
<b>Drying Time:</b> at 77 deg. 50 % RH, maximum 10 minutes.	<b>Flash Point:</b> Non-Flammable.
<b>Coverage:</b> 250–350 sqft/gal, depends on substrate & thickness	<b>Storage:</b> Protect from Freezing.

**Disclaimer:** There are no warranties which extended beyond the information in the TDS. TCC warrants this product to conform to its own specifications. Manufacturer's liability on this warranty is limited to the return of the purchase price of this product. The buyer assumes all risks and liability resulting from the use of this product. USSC neither assumes nor authorizes any person to assume for it any other liability in connection with the sale or use of this product. Request a MSDS if needed.