



## **PRODUCT DATA SHEET: CERAM-THANE 100**

**Description:** CeRam-Thane 100 is a single component thin-film, waterborne urethane engineered to be used as either a DTM (direct to metal) primer or as a topcoat to provide ultraviolet light resistance and color fastness. CeRam-Thane 100 can be color matched for most colors.

**Suggested Uses:** Call Freecom Technical Support for application recommendations.

## **TECHNICAL DATA**

**Volume Solids:** 50%

**VOC:** 1.00 lb/gal (120 g/L)

**Number of Coats:** One coat

**Film Thickness:** CeRam-Thane 100 should be applied between 6 - 10 mils (150 - 200 microns) wet to achieve 3 - 5 mils (75 - 125 microns) DFT.

**Surface Preparation:** Bonding strength depends on proper preparation of the surface to be protected for long-term performance of the product. Cleanliness is the most important step to produce a coated surface that will perform properly. Call Freecom for surface preparation of previously coated substrates or applications that are more than 72 hours old. If DTM, surface must have a 0.5 – 1.0 mil (12.5 – 25 micron) anchor profile.

**Mixing:** CeRam-Thane 100 is a single component product and does not require mixing. However, to make sure all pigment is dispersed properly, a 2 -3 minute shake or stir with a Jiffler blade is recommended.

**Pot Life & Shelf Life:** Pot life for CeRam-Thane 100 is indefinite. If air is introduced, CeRam-Thane 100 will begin to skim over in the can. Use a strainer to remove any solidified material. CeRam-Thane 100 has an indefinite shelf life, but it is recommended that CeRam-Thane 100 be used within two (2) years of delivery. **Do not allow to freeze.**

**Thinning:** Thinning is not normally required, but if adjustments must be made, use clean potable water with pH between 6 and 9. Deionized water may also be used. Water is non-viscous, therefore a small amount will go a long way. Never thin more than 4 oz. (118 ml) per gallon.

**Application:** If used as a topcoat, apply CeRam-Thane 100 between four (4) and eleven (11) hours after primer coating has been applied to the substrate. Brush or roller application recommended. Use a fine bristle brush or 1/4" nap roller to apply. If spray application is necessary, please contact Freecom technical personnel for application instructions.

**Repairs:** If contaminated or more than 72 hours old, first sand with appropriate grit sandpaper.

**Cleanup:** Purge and clean spray equipment with water within five (5) minutes of the final spray. Flush equipment with water until clear. Disassemble and clean equipment to manufacturer's recommendations. Material left in spray equipment will solidify and damage equipment.

**Safety:** See individual product label for safety and health data. A Material Safety Data Sheet is available upon request.

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