

2800 Series Clear Polyurethane Topcoat

General Description

Used as both a sealer and a topcoat, this multi-purpose coating offers excellent chemical and humidity resistance while offering outstanding color-fastness and resistance to UV degradation. The fully cured film provides superior resistance to abrasion and black heel marks, it brings a natural "warming" look to the wood. Designed for durability and performance on a variety of high-end architectural millwork, furniture, and cabinetry. Can be mixed 15% by weight with CW-4002 Hardener (based on aliphatic isocyanate) to provide a fully crosslinked film.

Physical Properties

Vehicle Type	Aqueous blend of aliphatic polyester/polycarbonate combined with crosslinked castor oil-based polyurethane.
Solids by Volume	28.05 (+/-1%)
Solids by Weight	31.65 (+/-1%)
VOC (minus exempt)	80 g/l
VOC (as supplied)	22 g/l
Specific Gravity	1.03
Viscosity	49-52 sec. Zahn #3

Application

Application Method	Can be sprayed with conventional, airless, and air assisted-airless.
Mixing Instructions	Can be mixed 15% by weight with CW-4002 Hardener (based on aliphatic isocyanate) to provide a fully crosslinked film. Centurion Thickeners and reducers can be utilized to produce desired viscosity depending on spray equipment
Substrate Preparation	The surface must be clean, dry and free of grease, oil, dirt, fingerprints and any other contamination to ensure proper adhesion. Remove any loose or peeling paint. Sand basecoat with 320-400 grit sandpaper. When used as a sealer, use 220-320 grit sandpaper in between coats. May be applied over acrylic, nitrocellulose and UV Basecoat. Test for adhesion and compatibility before full scale application.
Application Instructions	IMPORTANT: Mix well using a power agitator prior to application. Upon application, the temperature of the product, substrate, and coating should be above 65°F. Apply up to 3 coats, allowing enough drying time between coats.
Coverage	Approx. 481-545 square feet per gallon at 1 dry mil. @ 100% transfer efficiency. Actual coverage may vary depending on application technique, equipment, and weather conditions.

Curing / Drying Time Properties

Air Drying Time (77°F, 50% Humidity)	Wheel and weight	CS-17 (2) 1 kg/ea
Dust/Tack Free	Weight loss (grams)	
Sand & Recoat	13	
Package	12 hours	

Abrasive Resistance

Available Products

- CW-3028 (Gloss)
- CW-3027 (Semi-Gloss)
- CW-3026 (Satin)
- CW-3025 (Flat)

Features / Advantages

- Fast Drying
- Sandability
- Early Hardness Development
- Abrasion resistance
- Durability

Recommended For

- High-end Furniture
- Cabinetry
- Architectural millwork

Safety / Clean Up

Please read the product Safety Data Sheet and product label before using product. Applications tools must be cleaned with water after use. Dispose of any leftover materials in accordance with local, state, or federal regulations.