



## 5300 Series CRU Installation Guide

### PRODUCT DESCRIPTION

Versatile Building Products 5300 Series is a high solids, low viscosity, chemical resistant urethane with excellent wear and durability. 5300 is available in 3 VOC formulas that include; 400, 250 and 100 VOC. The 5300 series Urethane Topcoat is typically used over floor systems subject to specific chemical spillage and staining, applications requiring U.V. stability, and areas subject to mechanical wear.

### COVERAGE RATES AND PACKAGING

<b>5310 100 VOC</b>	<b>2-1 Mixing Ratio</b>	
Clear	300-450 ft/kit 200-300 ft/gal	Packaged in 1.5 Gallon Unitized Kits or 5 Gallon bulk
Pigmented	300-450 ft/kit 200-300 ft/gal	Packaged in 1.5 Gallon Unitized Kits or 5 Gallon bulk
<b>5325 250 VOC</b>	<b>1-1 Mixing Ratio</b>	
Clear	400-600 ft/kit 200-300 ft/gal	Packaged in 2 Gallon Unitized Kits or 5 Gallon bulk
<b>5340 400 VOC</b>	<b>1-1 Mixing Ratio</b>	
Clear	400-600 ft/kit 200-300 ft/gal	Packaged in 2 Gallon Unitized Kits or 5 Gallon bulk

### SUBSTRATE REQUIRMENTS

#### *Concrete*

Concrete shall be structurally sound and stable. Concrete shall be free of dust, dirt, grease, contamination, surface laitance, and other potential bond-breaking substances that could impair adhesion All cracks, gouges, and other surface defects need to be addressed prior to coating installation. Substrate and ambient temperatures must be above 50°F (10°C) during installation of coating. Relative humidity should not exceed 65% during installation of the coating. Environmental conditions must not be near the dew point during installation of the coating. Moisture Vapor Transmission of the substrate must not exceed 3lb per 1000 ft<sup>2</sup> per 24 hours. For high MVT substrates, consult with a Versatile Building Products representative for recommendations. Concrete must be mechanically profiled and prepared by shot-blasting, grinding, water-jetting, or other means of scarification to produce a Concrete Surface Profile (CSP) between #2 and #4, according to International Concrete Repair Institute (ICRI) Guideline No. 03732

#### *Concrete Priming*

All concrete shall be primed with an approved primer if applying the 5300 Series directly over it.

#### *Other Substrates*

Consult with a Versatile Building Products representative for recommendations over other substrates.

### STEP 1) INSTALLATION OF VERSATHANE SEALER

(Note: Material has a pot-life of 90 minutes based on an insulated 200 gram mass at a starting temperature of 70°F. **Warning: Large masses of mixed and/or heated material will have a shorter pot-life.**)

#### *Preparation*

- Shut off all sources of ignition prior to work, and throughout the sealing process.
- Supply auxiliary ventilation as necessary to produce a safe working environment.
- Use a NIOSH approved respirator capable of filtering organic vapors.

#### *Mixing*

Using a jiffy-type mixing blade at a minimum of 700 rpm, mix A-Component with B-Component at correct ratios as listed above for product being used, mix for two minutes while taking care not to whip air into the material while mixing. Transfer mix to a second mixing vessel and mix for an additional minute (transferring to a second mixing vessel prevents unmixed components clinging to the sides of the first mixing container from being poured onto the floor.)

#### *Application*

Working only as much wet edge as can be properly handled. Begin by cutting-in the edges with a brush. Do not work edges more than 15-30 minutes ahead of the main body of the floor. Pour a band of the mixed material out onto the floor and begin rolling with a 3/8" nap roller. Work the material evenly to a wet film thickness of no thicker than 5-8 mils (200-300 ft<sup>2</sup>/gallon). **Warning: Overworking the material with a roller could entrain air into the mixture and or cause color variation.**

Clean up tools, equipment, and splatter with lacquer thinner. Clean exposed skin with mild soap and water, and/or an orange type hand cleaner.

Allow sealer 6-8 hours to dry before re-coating, if necessary. Re-coating after 24 hours requires special preparation. Area may be opened to foot traffic in 12-24 hours depending on environmental conditions. Area may be opened to light vehicular traffic in 48-72 hours depending on environmental conditions. Chemical resistance will not fully develop for 5-7 days. Protect floor from spills during cure.

Pilot lights and surrounding sources of ignition may be put back into service once solvent vapors have dissipated to a level below the lower explosion limit. Typically, this will take 8-16 hours after floor installation with adequate ventilation.

**ADDITIONAL CAUTIONS AND RECOMENDATIONS**

- Do not force dry any components of the system.
- Coverage rates may vary.
- Mask all areas that need protection. If overspray or splatter occurs, cleanup immediately.
- Always wear protective clothing and equipment as required by OSHA and as necessary.
- Read Material Safety Data Sheets before commencing work.
- Use spiked shoes or cleats when walking into wet material.
- 5300 Series must be re-coated within 24 hours to ensure adequate inter-coat adhesion.
- Do not use acetone when working with these products.