



5400 Waterbased CRU Installation Guide

PRODUCT DESCRIPTION

5400 is a Chemical Resistant Waterborne Urethane that exhibits excellent wear and U.V. Stability. The film build, gloss and chemical resistance are comparable to solvent based systems, yet without the intense odor associated with them or the high V.O.C. levels. 5400 Versa-Thane W is designed for use over concrete, stone, epoxy and other various substrates to protect against wear and chemical attack.

NOTE: We do not recommend 5410 for industrial floors exposed to forklift traffic (use 4800, 5300 or 5073 as the topcoat in these types of extreme areas).

COVERAGE RATES AND PACKAGING

5400	375 ft/Kit	Sold in 1.5-Gallon Unitized Kit
	250 ft/Gal	

SUBSTRATE REQUIREMENTS

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 35°F during installation of coating. Moisture Vapor Transmission of the substrate must not exceed 3lb per 1000 ft² 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

Under most conditions concrete shall be primed with an approved primer (typically 4001 or 4005) when 5400 directly over it. Consult VBP for further information.

Other Substrates

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

STEP 1) INSTALLATION OF 5400

(Note: Cure time is effected by environmental conditions. Do not force dry. Material has a pot-life of 180 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.**)

Mixing

Mix 2 parts by volume 5400 A-Component with 1 part by volume 5400 B-Component for 2-3 minutes using a jiffy-type mixing blade at no less than 400rpm. Transfer mixed material to a second mixing vessel and mix an additional 30 seconds to ensure that material along the sides of the first mixing vessel have been properly incorporated into the mixture.

Application

Apply mixture to the substrate using a brush, roller, or squeegee at a uniform coverage rate of 180/240 ft per mixed gallon. Use spiked shoes when walking into wet material.

Cure Times

Coating can typically accept light foot traffic in 16-24 hours, vehicular traffic with pneumatic tires in 96 hours.

STEP 2) CLEANUP

Immediately cleanup splatter marks and tools with water. Clean hands and exposed skin with mild soap and water, and/or citrus based hand-cleaner.

ADDITIONAL CAUTIONS AND RECOMENDATIONS

- Do not apply over 10 wet mils or out gassing may occur
- Coverage rates may vary
- Mask all areas that need protection
- Always wear protective clothing and equipment as required by OSHA and as necessary
- Read Material Safety Data Sheets before commencing work
- Store material at 50-70°F to prevent shortened pot-life due to excessive heat
- Not Suited for use over industrial floors exposed to forklift traffic (use 4800, 5300 or 5073 for extreme wear)