

## FloroWear 7000 High Traffic Satin Urethane Topcoat

**Product Description:** FloroWear 7000 is an excellent protective coating for high traffic floors because of its high chemical and wear resistant properties. It can be installed over existing coatings that are well bonded and properly prepared. It provides 50% greater wear resistance than conventional urethanes. The Florock High Traffic Urethane system is also an attractive floor finish that maintains a low sheen amber resistant appearance over time. It makes floors easier to clean and prevents concrete dusting.

**Typical Uses, Applications:** Ideally suited for indoor high traffic areas which are exposed to chemicals or direct sunlight, such as:

- Hangar floors
- Auto & motorcycle dealerships
- Loading docks
- Aisleways
- Ramps

### Product Advantages:

- Provides excellent chemical resistance
  - Excellent wearing properties
  - Low sheen finish with pumice-like texture
  - Quick turnaround time
- A variety of colors can be achieved with the addition of Florock Universal Colorants

### Packaging:

FloroWear System 7000 –

- 4.5 Gal Over Pack

Optional Universal Colorant –

- 1-2 qts. per kit for pigmented FloroWear (Consult colorant usage charts.)

**Storage:** All containers should be stored at 40° F to 95° F and be kept tightly sealed and out of direct sunlight.

### Cured Physical Properties

Sward Hardness 1 mil film of glass	ASTM D2240	45
Abrasion Resistance, Taber Abrader CS 17 Wheel, 1000 gm load, 1000 cycles	ASTM D4060	10 - 15 mg loss
COF - James Friction Tester	ASTM D2047	0.65
Impact Resistance		
Forward, 200 lbs/inch	ASTM G14	Passes
Reverse, 175 lbs/inch	ASTM G14	Passes

### Coverage:

FloroWear 7000 -

- 300 - 350 SF/gallon per coat

**FloroWear 7000 Application:** Two coats of FloroWear 7000 shall be applied over smooth Floropoxy. If the surface is not smooth, an additional application of Floropoxy is necessary.

*Note: Floropoxy should not be applied when floor temperature is above 90°F or below 55°F, or when within 5°F of the dew point.*

**1. Primer Application:** Once surface preparation is complete, apply Floropoxy 4700 primer to the concrete floor. In a clean, dry container, blend 3 parts by volume of Component A and 1 part by volume of Component B. Mix only the amount that can be applied during the working time. Mix thoroughly for 3-5 minutes, using a low speed mechanical mixer. Transfer the mixture from the batch container to a transport container. Remix and pour entire mix from the transport container onto floor immediately. Retaining mixture in the bucket will shorten the pot life. Using a 1/8" V

notched squeegee, apply primer at a rate of 160 SF/gallon. Backroll with a 3/8" nap roller immediately after spreading.

*Note: The cure time will vary with conditions. Allow a minimum of 4 hours and a maximum of 24 hours before next step.*

**IMPORTANT:** Flooring surface must be smooth before proceeding with FloroWear 7000. Reapply Floropoxy 4700 as necessary to create a smooth surface.

**2. FloroWear 7000 Finish Coats:** Combine the entire contents of Parts A and B. Blend well using a low speed mechanical mixer. If colorant is desired, add 1-2 qts of Florock Universal Colorant and remix for approximately 3-5 minutes (See Color Usage Chart.). Apply material at an approximate rate of 300 to 350 square feet per gallon using a solvent resistant, medium nap roller. Take care to cross-roll product and to achieve the target spread rate. If skid resistance is desired, broadcast #60 or #80 White Aluminum Oxide into the coat at a rate of 3-6 lbs per 1000 SF. Excessive grit may make cleaning difficult. Roll out drips and blemishes immediately. **THIS MATERIAL IS NOT RECOMMENDED FOR Thinner to ensure good adhesion of the new system.**

**Instructions for Use over Existing Coatings:**

1. Examine the existing coating to ensure that it is well bonded to the concrete. Any loose coating must be completely removed. Edges where loose coating has been removed should be sanded to a feathered edge.
2. Clean the entire floor thoroughly with detergent cleaner. The surface must be free of all dirt, oils, or other contaminants.
3. After the floor has completely dried, sand the existing coating until a powdery residue is evident and all gloss is removed. Sweep or vacuum clean, and wipe with Florobase thinner.

Chemical Resistance	
Reagent	7 Days
Hydrochloric Acid 10%	E
Hydrochloric Acid 30%	G
Nitric Acid 10%	G
Phosphoric Acid 50%	G
Sulfuric Acid 37%	G, S
Acetic Acid 10%	E
Citric Acid 10%	E
Oleic Acid	E
Ammonium Hydroxide 10%	E
Sodium Hydroxide 50%	E
Ethylene Glycol (Antifreeze)	E
Isopropyl Alcohol	E
Methanol	G
D-Limonene	E
JP-4 Jet Fuel	E
Methylene Chloride	P
Methyl Ethyl Ketone	E
PMA	E
Ammonium Nitrate 20%	E
Brake Fluid	E
Bleach	E
Motor Oil (SAE30)	E
Skyfrol 500B	E
Skydrol LD4	E
Sodium Chloride 20%	E
Tide Laundry Soap 1%	E
Trisodium Phosphate 10%	E
Gasoline	E
Mineral Spirits	E
Xylene	E
Results based on 7 day spot testing on concrete. System cured 7 days prior to testing.	
Rating Scale:	
E - Excellent. No change in pencil hardness	
G - Good. 1-2 units change in pencil hardness	
F - Fair. 3 units change in pencil hardness	
P - Poor. 4 or more units change in pencil hardness	
S - Stains	

## FloroWear 7000 High Traffic Satin Urethane Topcoat

**Maintenance:** Sweep away dust and debris with a broom. Clean on a regular basis with a surfactant type mild detergent. Florock floors never need to be waxed.

**Please read material safety data before using product.**

**DISCLAIMER:**

All preceding statements and recommendations are based on experience we believe to be reliable. The use or application of these products being beyond the control of the Seller or Manufacturer, neither Seller nor Manufacturer make any warranty, expressed or implied, as to results or hazard from its use. The suitability, risk and liability whatsoever of a product for an intended use shall be solely up to the User.

Liquid Physical Properties			
Component Property	Test Method	Part A R0-142	Part B I-80 Flour
Weight Per Gallon	ASTM D1475	8.96 lbs	15.1 lbs
N.V.W.	ASTM D2369	62%	100%
Viscosity	ASTM D2196	1300 cps	N/A
<b>Blended Components</b>			
Flash Point, ASTM D3278		93° F	
Blended Viscosity		1300 cps	
Recommended Spread Rate		325 SF/gallon	
VOC Maximum, ASTM D3960		420 gpl	
Cure Time at 70° F			
Dry Film Thickness		2.7 mils	
Set to Touch		60 - 90 minutes	
Minimum Recoat		2 - 4 hours	
Maximum Recoat		4 hours	
Foot Traffic		8 - 10 hours	