

PRODUCT DESCRIPTION

SurfaceOne Water Based Urethane is a two component, low odor, low VOC (<50g/l) waterbased urethane designed especially for flooring applications subjected to moderate traffic and chemicals. It is ideally suited for application on concrete. This coating is extremely durable, easily cleanable and exhibits good stain and chemical resistance.

ADVANTAGES AND BENEFITS

- VOC compliant
- ADA compliant
- Convenient 4:1 mix ratio
- Excellent adhesion
- Extraordinary chemical resistance
- Easy Maintenance
- Many color options available

LIMITATIONS

Not recommended for use over flexible substrates. It is best suited for application in temperatures between 60 deg F to 90 deg F. Substrate must be clean, sound and dry. To minimize pinholes and surface defects, a primer coat of water based epoxy primer is recommended. Concrete shall be moisture cured for a minimum of 28 days and have a minimum of 14 days in accordance with ACI-308 prior to the application of coating pending moisture tests.

TYPICAL USE AREAS

- Garages
- Airport hangers
- Clean rooms
- Pharmaceutical plants and laboratories
- Chemical processing facilities and warehouses

SUBSTRATE REQUIREMENTS

Site must be free of dirt, waxes, curing agents, or other foreign agents and free from condensation or water contamination during application and cure. Shot blasting or scarifying is required. Substrate must be profiled and primed with water based epoxy if too porous.

APPLICATION METHOD

SurfaceOne Water Based Urethane can be easily applied by mixing in the appropriate 4:1 ratio and spread at a rate of 400 ft² per gallon using a 3/8" nap roller.

PACKAGING AND STORAGE

SurfaceOne Water Based Urethane is provided in pre-measured kits that include A and B liquids in a convenient 5 gl kit consisting of a 5 gl pail filled to 4 gl and a 1gl can of curing agent. Kits should be stored in a clean, dry area in stable temperatures approximating 55 to 90 deg F.

APPLICATION

The B liquids should be added to the A bucket in its entirety and mixed with a drill mixer for no less than two minutes. The mixture should be homogeneous and can be applied to the substrate by pouring out and spreading with a roller or using a conventional pan or roller bucket. The product is then spread to the appropriate coverage. The surface can be used as is or a top coat can be applied having the desired properties for the final surface.

MOISTURE CONCERNS

Limits for moisture vapor transmission for epoxy systems are 3lbs/1000sqft/24 hours using the calcium chloride test, per ASTM F1869.

MAINTENANCE

Regular cleaning and maintenance will prolong the life of all polymer flooring systems and enhance their appearance. SurfaceOne Water Based Urethane will respond well to wash downs, and a wide range of degreasing cleaners.

TECHNICAL DATA

Physical Property	Test Method	Result
Hardness	ASTM D-3363	5H
Direct Impact	ASTM G-14-88	> 160in/lbs
Reverse Impact	ASTM D-638	> 160in/lbs
Slip Resistance	ASTM D-790	> 0.5
Abrasion Resistance	ASTM D-3134	20mg

CURE TIME @ 70F	
Dry To Touch	2hrs
Recoat Time	6-18hrs
Return To Service	24-48hrs

Mix Ratio	4:1 Resin:Hardener
Working Time	45 min.
Toxicity	Sensitized individuals do not install

CHEMICAL RESISTANCE

SurfaceOne Water Based Urethane has excellent resistance to organic and inorganic acids, alkalis, fuel and hydraulic fluids, aromatic and aliphatic solvents. Some acids may discolor or bleach the surface.

HEALTH AND SAFETY

Read carefully and follow Material Safety Data Sheets and application instructions for the SurfaceOne Water Based Urethane flooring system prior to use. Follow the Hazardous

Materials Identification System labeling guide for proper personal protective equipment and clothing to use when handling this product. Use only as directed. KEEP OUT OF REACH OF CHILDREN.

WARRANTY

Vortex Supply LLC warrants that for a period of one year that its products will be free of manufacturing defects and will be in conformity with published specifications when stored, handled, mixed, and applied in accordance with Vortex Supply LLC recommendations. If any product fails to meet this warranty, Vortex Supply LLC's liability will be limited to replacement of any non-conforming material if notification is made to Vortex Supply LLC within the one-year period. In order to obtain replacement or refund for the value of the non-conforming materials, the customer must provide written notice containing details of the non-conforming performance. Vortex Supply LLC reserves the right to inspect the non-conforming material before replacement is made. Except for the expressed warranty stated here, there are no other warranties, expressed or implied, including without limitation, any implied warranty of merchantability or fitness for any other purpose. Vortex Supply LLC's obligation shall not extend beyond the obligations expressly undertaken above and Vortex Supply LLC shall have no liability or responsibility to the purchaser or any other third party for any loss, cost, expense, damage, or liability, whether direct or indirect, or for incidental or consequential damages.