



Technical Data Sheet

3950 Steve Reynolds Blvd
Norcross, GA 30093

www.GranQuartz.com - Office: 1-800-458-6222

Surface Pro Coatings Water-Based Urethane

Description:

Surface Pro Water-Based Urethane is two component system. Formula has excellent scratch and chemical resistance virtually not affected by solvent exposure. Easy to mix three parts urethane resin to one-part catalysts by volume.

Available in Gloss

Typical Applications:

Retail and Commercial Flooring

Garage and Showroom Floors

High-Traffic Interior Applications

Approved Basecoats:

Water-based or 100 solids epoxy. Also approved as clear coat on Metallic Floors, concrete countertops and dye stained floors.

Surface Prep & Priming:

Grind concrete floors to CSP-3, vacuum dust, wipe with Denatured alcohol. Apply 100 solid or Water-Based Epoxy Primer at spread rate of 180-250 sq. ft. per gallon. (See product label for further instruction.)

Mixing:

Partial kits: If mixing less than a full kit, mix three Parts A to one Part B by volume at low speed mixer for two minutes.

Full kits: If mixing a full 1-gal kit. Open quart of Part B pour contents into the pail containing gallon of premeasured Part A; stir with a jiffy mixer for 2 minutes to ensure material is homogenous. Avoid whipping air into the coating. Improper mixing may result in product outgassing

Application:

Mixed material can be dipped and rolled evenly with 3/16" nap roller to maintain the desired thickness. Back rolling is recommended to obtain uniform finish.

Flaked Floors: Mix only enough material to coat from expansion joint to joint. Flakes can be broadcasted right after back rolled. Let cure 24hrs. Then apply Clear Finish Coat of Epoxy, Water-based Urethane or Polyaspartic. Finish coat. Choice of topcoat job specific.

Slip Resistance a fine 100 mesh aggregate can be added.

Coverage: per gallon

Primer on porous concrete 250

Pigmented primer for vinyl chip broadcasting 180

Solid color for concrete floors 200-250

Grout coat or finish coat on flaked floors 250

But if applied at temperatures between 55-90 degrees Fahrenheit.

Dry time & Recoat:

Tack free/foot traffic: 6-8 hrs. Recoat 12-24 hrs.

Heavy foot traffic 48 hrs. Vehicular Traffic 3 days.

Lightly sand the surface and wipe down with denatured alcohol or acetone before applying additional coats or finish coats.

Physical Properties:

| | | |
|------------------------|-------------|-----------|
| Viscosity Mixed | Brookfield | 250cps |
| Low-Lustre/Gloss | @60 degrees | 5-7/85-90 |
| Solids (Weight/Volume) | ASTM D 2369 | 58 % /45% |
| Adhesion to Concrete | ASTMD 4541 | 550psi |
| Koenig Hardness | ASTM D4366 | 130 |



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| Tabor Abrasion | ASTM D4060 | 3.8 mgs lost |
| Coefficient of Friction | ASTM 2047 | < .60 |
| VOC | < less than 50 grams/liter | |

Available Kit Sizes:

4 gallons in Gloss

Chemical Resistance: ASTM D-1308

| | |
|----------------------------------|--------------|
| Acetic Acid | Y |
| Acetone | N |
| Ammonia 30% | Y |
| Anti-Freeze | Y |
| Animal Urine | Y |
| Brake Fluid | Y |
| Chlorine | Y |
| Chromic Acid 10% | Y |
| Gasoline | Y |
| Hydraulic Fluid | Y |
| Hydrochloric Acid 10% | Y |
| Hydrofluoric Acid | N |
| Hydrogen Peroxide | Stain |
| Methyl Ethyl Ketone | Y |
| Methanol | Y |
| Methyl Chloride | N |
| Mineral Spirits | Y |
| Motor Oil | Y |
| Mustard | Slight Stain |
| Nitric Acid | N |
| Orange Juice | Y |
| Phosphoric Acid | Y |
| Silver Nitrate | Y |
| Skydrol | y |
| Sodium Hydroxide (Caustic) | Y |
| Sodium Hypochlorite (Bleach) | Y |
| Sulfuric Acid 10% (Battery Acid) | Y |
| Windshield Wiper Fluid | Y |

Handling, Storage, Disposal & Clean-up:

May irritate eyes wear gloves

Store in clean dry area do not freeze

Dispose in accordance with all state local and federal laws

Clean-up tools and equipment with warm water

Regulatory

Less than 50 grams/liter

Meets all VOC categories in US and Canada

Contributes to Leed

Warranty:

Material only if proven defective, no labor