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**STAINTUFF® 3000**

*Two Part, 100% Solids  
 Flexible Polyaspartic Fast Curing  
 High Performance Topcoat*

**DESCRIPTION**

Staintuff® 3000 is a 100% solids by volume, aliphatic polyaspartic, two-component, liquid applied, environmentally friendly surface topcoat for waterproofing membrane systems, with a citrus odor. Staintuff® 3000 is quick curing and specifically formulated to be installed in thin film applications.

**FEATURES**

- ❖ Quick Cure
- ❖ Color Stable
- ❖ High Tensile Strength
- ❖ High Gloss
- ❖ Abrasion Resistant
- ❖ Topcoat over aromatic polyurea, polyurethane and epoxy applications ranging from 35°F to 130°F, service temperature 0°F to 200°F
- ❖ Very Durable
- ❖ Excellent Weatherability
- ❖ Seamless Waterproofing Membrane
- ❖ UV Resistant For Superior Gloss Retention
- ❖ Meet California AQMD Requirements

**TYPICAL USES**

- ❖ Concrete
- ❖ Steel
- ❖ Plywood
- ❖ Plastic
- ❖ Cold Storage Areas
- ❖ Food Processing Areas
- ❖ Industrial Warehouses
- ❖ Pulp and Paper Mills
- ❖ Chemical Plants
- ❖ Fertilizer Plants
- ❖ Off-Shore Oil Platforms
- ❖ Pipeline Barges

**COLOR**

Clear, Grey and Tan

Custom colors are also available. Minimum order of 100 gallons (380 liters). See color chart for special provisions.

**PACKAGING**

1 gallon kit of 1 gallon can part-A and 1 gallon can Part-B.

**TECHNICAL DATA, STAINTUFF® 3000, CLEAR**

Coverage Rate .....	See Guide
.....	Specification
Dry Film Thickness, exclusive of aggregate, Per coat @ 1 gal/100 sq. ft. ....	16 mils 406 micron
Pot Life at 75°F (24°C), 50% RH .....	10-15 minutes
Hardness, ASTM D-2240 .....	65 ± 2 Shore D
Tear Resistance, Die C, ASTM D-624 .....	400 ± 50 pli 70 ± 10 kN/m
Tensile Strength, ASTM D-412 .....	3000 ± 200psi 20.7 ± 2 MPa
Ultimate Elongation, ASTM D-412 .....	70 ± 10%
Specific Gravity,	
Side-A .....	1.1
Side-B .....	1.05
Total Solids by Weight, ASTM D-2369 .....	100%
Total Solids by Volume, ASTM D-2697 .....	100%
Viscosity at 75°F (24°C),	
Side-A .....	2600 ± 300cps
Side-B .....	1100 ± 300cps
Volatile Organic Compounds, ASTM D-2369-81 .....	0 lb/gal 0 gm/liter

**TECHNICAL DATA, STAINTUFF® 3000, PIGMENTED**

Coverage Rate .....	See Guide
.....	Specification
Dry Film Thickness, exclusive of aggregate, Per coat @ 1 gal/100 sq. ft. ....	16 mils 406 micron
Pot Life at 75°F (24°C), 50% RH .....	10-15 minutes
Hardness, ASTM D-2240 .....	65 ± 2 Shore D
Tear Resistance, Die C, ASTM D-624 .....	375 ± 50 pli 65.6 ± 10 kN/m
Tensile Strength, ASTM D-412 .....	2600 ± 200psi 17.9 ± 2 MPa
Ultimate Elongation, ASTM D-412 .....	30 ± 10%
Specific Gravity,	
Side-A .....	1.1
Side-B .....	1.24
Total Solids by Weight, ASTM D-2369 .....	100%
Total Solids by Volume, ASTM D-2697 .....	100%
Viscosity at 75°F (24°C),	
Side-A .....	2600 ± 300cps
Side-B .....	2000 ± 300cps
Volatile Organic Compounds, ASTM D-2369-81 .....	0 lb/gal 0 gm/liter

**MIXING**

Staintuff® 3000 may not be diluted under any circumstance. Staintuff® 3000 Part-A and Part-B should be mixed individually before combining. Add Part-B to Part-A while mixing, using a mechanical mixer (Jiffy Mixer) at medium speeds. Mix until a homogeneous mixture and color is

obtained (at least 3 minutes) and mix frequently during application to maintain uniform color. Use care to scrape the sides of the container to ensure that no unmixed material remains. Use caution not to whip too much air into the material as this may result in pinhole blisters or shortened potlife.

**DO NOT mix any material that cannot be used within 8 minutes.**

#### **APPLICATION**

Staintuff® 3000 can be applied by phenolic resin core roller, high pressure spray, or through a airless gun. Staintuff® 3000 should be applied at a minimum film thickness of 5 mils. It should be noted that the heavier the application, the longer the curing process takes.

Apply Staintuff® 3000 evenly over the entire deck. For best results, airless sprayer or phenolic resin core roller may be used but extra care should be taken not to cause air bubbles.

#### **CURING**

At 70°F (21°C) and 50% relative humidity, allow each coat to cure a minimum of 3-4 hours between each coat.

Allow a minimum of 6 hours before permitting light pedestrian traffic and at least 24-48 hours before permitting heavy pedestrian or auto traffic on to the finished surface.

Uncured Staintuff® 3000 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

#### **EQUIPMENT CLEANUP**

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

#### **STORAGE**

Staintuff® 3000 has a shelf life of twelve (12) months from date of manufacture in original, factory sealed containers.

#### **LIMITATIONS**

**Mix no more material than can be used within 8 minutes.**

Surfaces must be dry, clean and free of foreign matter.

Clear coating may turn opaque and cloudy due to moisture penetration, especially in exterior applications.

Surface may be slippery when wet.

Containers that have been opened must be used as soon as possible.

Do not dilute under any circumstance.

#### **WARNING**

**This product contains Isocyanates.**

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**Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local PSI representative or visit our website for current technical data and instructions.**

#### **LIMITED WARRANTY**

PSI warrants its products to be free of manufacturing defects and that they will meet PSI current published physical properties. PSI warrants that its products, when properly installed by a state licensed waterproofing contractor according to PSI guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of 12 months. Seller's sole responsibility shall be to replace that portion of the product which proves to be defective. There are no other warranties by PSI of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. PSI shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. PSI shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. PSI reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

#### **DISCLAIMER**

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and PSI makes no claim that these tests or any other tests, accurately represent all environments.