



# STAINTUFF® 4072/4072(SC)

## A Two Component, Fast Curing, High Gloss Aliphatic Topcoat

### 1.01 DESCRIPTION

Staintuff® 4072/4072 (SC) is a 72% solids by volume, aliphatic, polyaspartic, two-component, liquid-applied, topcoat for waterproofing membrane systems. It is environmentally friendly and with a citrus odor. Staintuff® 4072 is quick curing and specifically formulated to be installed in thin film applications. Staintuff® 4072 is 250 VOC. Staintuff® 4072(SC) is 100 VOC. Be sure to use the right product grade that complies with VOC regulations as per federal, state, statutory bodies, county and city regulations/codes at the place of installation of product.

### 1.02 FEATURES

- Quick Cure
- High Tensile Strength
- Abrasion Resistant
- Excellent Weatherability
- Seamless Waterproofing Membrane
- UV Resistant for Superior Gloss Retention
- Topcoat Over Aromatic Polyurea, Polyurethane and Epoxy Applications Raging from 35°-130°f (1.67-54.4°c), Service Temperature 0-200°f (-17.8-93.3°c)
- Color Stable
- High Gloss
- Very Durable
- Easy Clean Ability

### 1.03 TYPICAL USES

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

### 1.04 COLORS

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

### 1.05 ODOR

Citrus

### 1.06 PACKAGING

1-gallon kit of 1 gallon (3.78liters) can Side-A and 1 gallon (3.78liters) an Side-B.  
10-gallon kit of 5 gallon (18.9 liters) can Side-A and 5 gallon (18.9 liters) can Side-B.

### 1.07 SURFACE PREPARATION

Refer to General and Safety Guidelines for complete information. Install a 100-200 sqft (9.30-18.58 sqm) mock-up of the system to be installed and approve for aesthetics, color, texture, actual coverage rates and functionality before proceeding.

### 1.08 MIXING

Staintuff®4072/4072 (SC) may not be diluted under any circumstance. Staintuff® 4072/4072 (SC) Side-A and Side-B should be mixed individually before combining. Add Side-B to Side-A while mixing, using a mechanical mixer (Jiffy Mixer) at medium speeds. Mix until a homogeneous mixture and color is obtained (at least 5 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. NOTE: Use caution not to whip too much air into the material as this may result in pinhole blisters or shortened pot life.

Staintuff® 4072/4072 (SC) may not be diluted with solvent under any circumstance. **DO NOT mix any material that cannot be used within 45 minutes.**

### APPLICATION

#### 2.01 APPLICATION BASICS

Staintuff® 4072/4072 (SC) can be applied by phenolic-resin-core roller, high pressure sprayer, or through a cup gun under low pressure. Staintuff® 4072/4072 (SC) should be applied at a minimum film thickness of 5 mils (127 microns). It should be noted that the heavier the application, the longer the curing process takes.

Refer to individual Systems Description under System Specifications Section of the Poly-Tuff Systems International Corporation (PSI) catalog or website for specific coverage rates.

Apply Staintuff® 4072/4072 (SC) 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.

Coverage rates and cure times will vary depending on temperature, relative humidity, surface roughness and porosity, aggregate selection, embedment, and application technique. Coverage rates provided are optimal and are not guaranteed.

## 2.02 CURING

At 70°F (21°C) and 50% relative humidity, allow each coat to cure a minimum of 2-4 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® 4072/4072 (SC) 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.

## 2.03 EQUIPMENT CLEANUP

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

## 2.04 STORAGE

Staintuff® 4072/4072 (SC) has a shelf life of one (1) year from date of manufacture when stored indoors at a temperature between 60°F to 95°F (15°C to 35°C) in original, factory-sealed containers.

## 2.05 LIMITATIONS

- **Mix no more material than can be used within 60 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.
- Containers that have been opened must be used as soon as possible.

**WARNING: This product contains isocyanates.**

## TECHNICAL DATA

<b>STAINTUFF® 4072(SC), PIGMENTED</b>	
Based on Draw Down Films	
Mix Ratio by Volume	1A : 1B
Coverage Rate	See individual Guide Specification
Dry Film Thickness, Exclusive of aggregate, Per Coat @ 1 gallon/100 sqft	14 ± 2 mils 356 ± 50 microns
Pot Life at 75°F (24°C), 50% RH	45-60 minutes
Hardness, ASTM D-2240	65 ± 5 Shore D
Tear Resistance, Die C, ASTM D-624	400 ± 50 pli 70.1 ± 8.8 kN/m
Tensile Strength, ASTM-D412	3500 ± 300 psi 24.1 ± 2.1 MPa
Ultimate Elongation, ASTM D-412	50 ± 20%
Specific Gravity	
Side-A	1.07 ± 0.1
Side-B	1.27 ± 0.1
Total Solids by Weight, ASTM D-2369	91 ± 2%
Total Solids by Volume, ASTM D-2697	89 ± 2%
Viscosity at 75°F (24°C)	
Side-A	200 ± 50cps
Side-B	1400 ± 200cps
Volatile Organic Compounds, ASTM D-2369-81	0.83 lbs/gal (100 gm/l)

<b>STAINTUFF® 4072(SC), CLEAR</b>	
Based on Draw Down Films	
Mix Ratio by Volume	1A : 1B
Coverage Rate	See individual Guide Specification
Dry Film Thickness, Exclusive of aggregate, Per Coat @ 1 gallon/100 sqft	14 ± 2 mils 356 ± 50 microns
Pot Life at 75°F (24°C), 50% RH	45-60 minutes
Hardness, ASTM D-2240	65 ± 5 Shore D
Tear Resistance, Die C, ASTM D-624	400 ± 30 pli 70.1 ± 8.8 kN/m
Tensile Strength, ASTM-D412	3500 ± 300 psi 24.1 ± 2.1 MPa
Ultimate Elongation, ASTM D-412	50 ± 20%
Specific Gravity	
Side-A	1.07 ± 0.1
Side-B	1.2 ± 0.1
Total Solids by Weight, ASTM D-2369	90 ± 2%
Total Solids by Volume, ASTM D-2697	88 ± 2%
Viscosity at 75°F (24°C)	
Side-A	200 ± 50cps
Side-B	200 ± 50cps
Volatile Organic Compounds, ASTM D-2369-81	0.83 lbs/gal / 100gm/liter



# TECHNICAL DATA SHEET

## SECTION 3.4.8

### TECHNICAL DATA

<b>STAINUFF® 4072, PIGMENTED</b>	
Based on Draw Down Films	
Mix Ratio by Volume	1A : 1B
Coverage Rate	See individual Guide Specification
Dry Film Thickness, Exclusive of aggregate,	
Per Coat @ 1 gallon/100 sqft	11 ± 2 mils 279 ± 50 microns
Pot Life at 75°F (24°C), 50% RH	45-60 minutes
Hardness, ASTM D-2240	50 ± 5 Shore A
Tear Resistance, Die C, ASTM D-624	300 ± 50 pli 52.6 ± 8.8 kN/m
Tensile Strength, ASTM-D412	2300 ± 200 psi 15.8 ± 2.1 MPa
Ultimate Elongation, ASTM D-412	50 ± 20%
Specific Gravity	
Side-A	1.04 ± 0.1
Side-B	1.25 ± 0.1
Total Solids by Weight, ASTM D-2369	79 ± 2%
Total Solids by Volume, ASTM D-2697	72 ± 2%
Viscosity at 75°F (24°C)	
Side-A	200 ± 50cps
Side-B	300 ± 200cps
Volatile Organic Compounds, ASTM D-2369-81	1.97 lbs/gal (236 gm/l)

<b>STAINUFF® 4072, CLEAR</b>	
Based on Draw Down Films	
Mix Ratio by Volume	1A : 1B
Coverage Rate	See individual Guide Specification
Dry Film Thickness, Exclusive of aggregate,	
Per Coat @ 1 gallon/100 sqft	11 ± 2 mils 279 ± 50 microns
Pot Life at 75°F (24°C), 50% RH	45-60 minutes
Hardness, ASTM D-2240	50 ± 5 Shore A
Tear Resistance, Die C, ASTM D-624	300 ± 50 pli 52.6 ± 8.8 kN/m
Tensile Strength, ASTM-D412	2500 ± 200 psi 17.2 ± 2.1 MPa
Ultimate Elongation, ASTM D-412	75 ± 10%
Specific Gravity	
Side-A	1.05 ± 0.1
Side-B	1.01 ± 0.1
Total Solids by Weight, ASTM D-2369	77 ± 2%
Total Solids by Volume, ASTM D-2697	72 ± 2%
Viscosity at 75°F (24°C)	
Side-A	200 ± 50cps
Side-B	200 ± 50cps
Volatile Organic Compounds, ASTM D-2369-81	1.97 lbs/gal / 236gm/liter

Please read all information in the General & Safety Guidelines, Technical Data Sheets, Guide Specifications and Safety Data Sheets (SDS) before applying material. PSI Products are for "Professional Use Only" and preferably applied by professionals who have prior experience with the PSI Products or have undergone training in application of PSI Products. Published technical data and instructions are subject to change without notice. Contact your local PSI representative or visit our website for current technical data, instructions, and project specific recommendations.

**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.

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