



# TuffCity™ White Concentrate

## Concentrated, White Pigmented, Wax Based, Concrete-Curing Compound

### 1.01 DESCRIPTION

TuffCity™ White Concentrate is a concentrated, wax based, white-pigmented concrete curing compound. When diluted up to 4 to 1 with clean potable water, and properly applied, TuffCity™ White Concentrate forms a continuous membrane that controls curing for strong and durable concrete. The white pigment reflects the sun's rays to help keep the concrete surface cooler and to prevent excessive heat build-up. Please use the correct product grade that complies with VOC regulations as per federal, state, county and city regulations/codes at the place of installation of product.

### 1.02 USES

- Curbs
- Gutters
- Parking Garages
- Roads
- Sidewalks
- Streets

### 1.03 FEATURES

- Enhances Performance; Increases Compressive Strength and Wear Resistance
- High Reflectivity
- Improves Durability; Proper Curing will Increase The Long Life of Concrete.
- Minimizes Shipping Cost (Up to 4 to 1 Dilution)
- Minimizes Thermal Cracking, Dusting
- Reduces Shrinkage
- V.O.C. Compliant per US EPA Architectural Coatings Rule

### 1.04 TECHNICAL DATA

Meets ASTM C-309, Type II, Class A

AASHTO M-148, Type II, Class A

Meets V.O.C. emission requirements for curing and sealing compounds (EPA limit < 350g/L)

### 1.05 PACKAGING

5 gallon (18.9 liters) pail

55 gallon (208 liters) drum

275 gallon (1041 liter) tote

### 1.06 COLOR

White

### 1.07 COVERAGE

200 sqft/gallon (18.58 sqm/liters) or 1 gallon/200 sqft (0.2 liters/sqm) when diluted 4:1

### 1.08 PREPARATION

The concrete must be sound and free of all foreign material, including oil, grease, dust, laitance or other surface contaminants.

### 1.09 APPLICATION

Dilute with clean potable water to desired ratio (up to 4 parts water to 1 part concentrate). Mild agitation at slow speed. **DO NOT OVER AGITATE!**

Once diluted, it is ready to use. Apply with a manual sprayer or power sprayer. Avoid puddles. Apply in accordance with recommended coverage rates.

New Concrete: **TuffCity™ White Concentrate** should be applied as soon as the surface water has disappeared and the concrete surface will not be marred by the walking applicator.

### 1.10 CLEANUP

Tools and Equipment: Flush and clean with water immediately after use. Use PSI's **Solvent 100** or other cleaning solvents for sprayers to remove cured or residual material.

### 1.11 STORAGE AND SHELF LIFE

The material should be stored between 40–95°F (4–35°C) in a cool, dry area away from direct sunlight. The shelf life of properly stored, unopened containers is 12 months from the date of manufacture. An excessive temperature differential and/or high humidity can shorten the shelf life expectancy.

### 1.12 LIMITATIONS

Do not allow to freeze. If freezing takes place, consult PSI. Do not mix or contaminate with solvent, diesel fuel or other thinning agents. Do not over agitate with compressed air or recirculating pump. Do not take internally. Do not breathe vapors. Avoid prolonged contact with skin. If swallowed, do not induce vomiting - call physician. Wear rubber gloves, goggles, and protective clothing. Do not use on concrete that is to accept a secondary topping without first consulting the manufacturer. Avoid hazards by following all precautions found in the Safety Data Sheet (SDS), product labels and technical literature. Please read all

information prior to using the product. Clean and thoroughly flush all equipment with warm water.

**READ SDS PRIOR TO USING PRODUCT. KEEP OUT OF THE REACH OF CHILDREN.**

### 1.13 PHYSICALS

#### Moisture Loss

Applied at 200 sqft/gal	0.54 kg/sqm
Test Requirement	0.55 kg/sqm max

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 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 and chemical properties. 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 user's 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.