



POLY-TUFF SYSTEMS
INTERNATIONAL
HIGHWAY DIVISION

TuffCoat™ UV

Structural Strengthening UV Protective Topcoat

DESCRIPTION

TuffCoat™ UV forms a weatherproof barrier against nature's harsh extremes. Steel and concrete structures expand and contract in response to the weather and structural stresses. Unlike typical exterior coating, this coating fills and bridges hairline cracks, helping to prevent damaging water penetration. It passes Federal Specification TT-C-555B, sec. 3.3.3, withstanding 98 mph wind-driven rain. This premium quality coating provides UV protection as well as aesthetic benefits. It is available in white and dove gray, and can be tinted to many custom colors to match existing substrates.

USES:

- Waterproof masonry coating.

FEATURES:

- High-Build Coating
- 100% Acrylic Polymer
- Bridges Hairline Cracks
- Lifetime Flexibility – Won't Crack or Peel
- Superior Alkaline Resistance
- Gives Mold, Mildew, & Algae Resistant Coating
- Withstands Wind-drive Rain
- Self-Priming
- Superior Adhesion on Any Surface
- UV resistant
- Apply as Low as 35°
- Soap & Water Clean-up

COVERAGE GUIDE:

Smooth Surface: 130 sq.ft./gal.

Rough: 90 sq.ft./gal.

At: 16 mil wet, 7 mil dry

PREPARATION:

Apply coating to clean, sound surfaces. Large cracks, crumbling areas or water damage may need professional repair.

Cleaning the Surface: Old or existing surfaces; remove dirt, grease, mildew, algae, efflorescence and loose, peeling coating. **TuffCoat™ UV** should be applied within 48 hours of final application of **TuffSat™**.

Filling in Cracks and Patching: Hairline cracks (1/16" or less) can be covered with this product.

MIXING:

Prior to use, mix **TuffCoat™ UV** at slow speed with drill and mixing paddle to ensure uniform color and aggregate disbursement and to minimize air entrapment. In multi-pail applications, mix the contents of each new pail into the partially used previous pail to ensure color consistency and smooth transitions from pail to pail.

PLACEMENT:

Roller is the preferred method of application: For best results, use a quality 1" to 1-1/4" nap synthetic roller cover. Always roll with a fully loaded wet roller (never dry roll).

Do not stretch this coating: Be sure all low spots and gaps are covered. It is normal for painted surfaces to show roller marks.

Airless Sprayer: Use 1-2 gallons per minute; capacity pump at 2500 psi minimum with a 0.025 tip. Adjust pressures to suit your needs. Always follow spray application by back-rolling with a wet applicator. This will ensure that the coating is worked into the surface. Thin with water for spray application (no more than 8 oz. per gallon), if needed.

Brush on is not recommended: Use brush only for small touch-ups.

Paint only when surface and air temperatures are between 35°F - 90°F (2°C - 32 °C). Use a paint paddle to stir coating up from the bottom of pail. Intermix containers of the same color only. Apply this product heavily to achieve best weatherproofing characteristics.

DRY TIME:

77°F @ 50% Relative Humidity.

CLEAN UP:

Clean all tools and equipment immediately with water or **PSI Enviro-Clean™**. Cured material may be removed by mechanical means.

PACKAGING:

Gallon- 4 per carton, 5- gallon pails, 55 gallon drum

COLOR:

Available in a broad range of colors and textures for design versatility upon request.

STORAGE:

The material should be stored between 40°-95°F (4°-35°C) in a cool, dry area away from direct sunlight.

SHELF LIFE:

Shelf life of properly stored, unopened containers is 24 months. Excessive temperature differential and or high humidity can shorten the shelf life expectancy.

LIMITATIONS:

- Do not freeze.
- Keep container closed when not in use.
- Do not transfer contents to other containers for storage or disposal.
- In case of spillage, absorb with inert material such as sand or kitty litter.
- Dispose of contaminated absorbent, container and/or unused contents in accordance with local, state, and federal regulations.

IMPORTANT NOTE:

While all reasonable care is taken in compiling technical data on the Company's products, all recommendations or suggestions regarding the use of such products are made without guarantee, since the conditions of use are beyond the control of the Company. It is the user's responsibility to satisfy himself that each product is fit for the purpose for which he intends to use it, that the actual conditions of use are suitable, and that the information relating to each product has not been altered or superseded.

WARRANTY:

Due to the use of this product beyond our control, we assume no liability for damages of any kind, and the user accepts the product "as is" and without warranties, expressed or implied, from either **Polytuff System International** or its agents. The suitability of the product for an intended use shall be solely up to the user. Our only obligation shall be to replace or pay for any material proved defective, with our liability limited to the purchase price of materials supplied by us.

| TYPICAL PROPERTIES: | |
|---------------------|-----------------------------|
| Vehicle Type | Acrylic Polycarbonate Resin |
| Sheen | 0-6 Units @ 60° angle |
| Solids by Volume | 43% |
| Solids by Weight | 56% |
| Weight per gallon | 10.8 lbs/gal |
| VOC | Less than 50g/L |
| Viscosity | 104 - 110 Krebs Units |
| To the Touch | 1 hour |
| Recoat | 4 hours |
| Tensile Strength | 325 psi |
| Elongation (%) | 80 psi |

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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