



TuffTex™ Latex

Concentrated Latex Admixture

1.01 DESCRIPTION

TuffTex™ is a concentrated-latex admixture designed to strengthen, harden, and enhance the durability of Portland cement. As a replacement for water, TuffTex™ enables cement and mortar systems to have increased adhesion, impact, and flexibility, as well as abrasion resistance. 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

- Adhesive Compound
- Concrete Additive
- Paint Additive

1.03 FEATURES

- Chemical Resistant
- Enhances Flexibility and Impact
- Exceptional Durability and Strength
- Improves Abrasion Resistance
- Improves Freeze/Thaw Cycles

1.04 TECHNICAL DATA

Meets ASTM C 1059/C

1.05 COLOR

Bluish White

1.06 PACKAGING

450 lbs (204 kgs) drum
2400 lbs (1088 kgs) totes
45,000 lbs (20411 kgs) tanker

1.07 PREPARATION

The concrete must be sound and free of all foreign material, including form releases, curing agents, oil, efflorescence, grease, laitance or other surface contaminants. The surface should be in a Saturated Surface Dry (SSD) condition.

1.08 MIXING

Stir well before applying as a water substitute. Do not dilute. Use as is.

1.09 APPLICATION

Replace parts or all of the water in a concrete mix with TuffTex™ per design and specifications.

1.10 CURING/DRYING TIME

All standard and required curing practices should be followed as with any other cementitious product.

1.11 CLEAN UP

Soap and water. Check local, state and federal laws before disposing of the material.

1.12 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 container is 6 months from the date of manufacture. An excessive temperature differential and/or high humidity can shorten the shelf life expectancy.

1.13 LIMITATIONS

6-month shelf life when stored properly

1.14 CAUTION

KEEP OUT OF REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY. FOR PROFESSIONAL USE ONLY

1.15 PHYSICALS

Viscosity	1,000 cps MAX @ 77°F (25°C)
Solids	45-47%
Density	8.7 lbs/gal
pH	8.0-9.0
Appearance	Bluish white emulsion
Free monomer content	< 0.1%
MFFT	55°F (13°C)
Tg	53°F (12°C)
Particle size	0.2 um approx.

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.