



# P-TUFF® PE (PROFILE ETCH)

An Economical Non-Mechanical Concrete-Profiling Solution

## 1.01 DESCRIPTION

P-Tuff® PE is a proprietary solution that profiles and cleans concrete surfaces but is environmentally safe and non-hazardous. It's a great alternative to muriatic or phosphoric acids used to etch cementitious surfaces to achieve optimum bonding for stains, coatings, and sealers. P-Tuff® PE is a non-fuming, VOC free, non-hazardous, non-corrosive, BIODEGRADABLE concentrate, concrete etch and cleaning solution. Unlike the standard acids available, P-Tuff™ PE will not burn your skin or corrode metals. 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 FEATURES

- Environmentally Safe
- Low-Odor
- Non-Fuming
- Non-Hazardous
- Will Not Burn Skin
- Biodegradable

## 1.03 TYPICAL USES

- Concrete Balconies & Breezeways
- Concrete Cleaning of Tilt-Walls
- Concrete Pool Decks
- Concrete Retainer Walls and Precast Panels
- Concrete Roof Decks
- Garage Floors
- Interior Parking Garages
- Parking Decks
- Preparation of Concrete for Coatings
- Sidewalks

## 1.04 PACKAGING

1 gallon (3.78 liters) jug  
5 gallon (18.9 liters) pail

## 1.05 PRODUCT INSTRUCTIONS

Must be applied on a dry surface. P-Tuff® PE can be applied via pump, sprayer, and agitated with a bristle broom for deeper penetration and etching.

All materials to be used with this system should be purchased from PSI or a qualified and approved distributor.

## APPLICATION

### 2.01 SURFACE PREPARATION

P-Tuff® PE should be power washed to thoroughly remove any residual dirt or other deposits lifted from the surface of the concrete.

Concrete: P-Tuff® PE should be applied via pump spray and agitated with a bristle broom for deeper penetration and etching.

## MINIMUM RECOMMENDED THEORETICAL COVERAGE RATES

Light Duty	150-200 sqft/gal 0.2-0.3 liters/sqm
Medium Duty	100-150 sqft/gal 0.3-0.4 liters/sqm
Heavy Duty	50-100 sqft/gal 0.4-0.8 liters/sqm

Check area of application to ensure that it conforms to the substrate requirements, as stated in the General & Safety Guidelines Section within this binder.

## 2.02 CLEAN-UP

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

Field visits by PSI personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

## 2.03 SHELF LIFE AND STORAGE

P-Tuff® PE has a shelf life of 12 months from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

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.