



2250 E. Tropicana Ave Phone: (866) 977-8833
 Suite 19-600 Fax: (800) 804-0182
 Las Vegas, NV 89119 Email: sales@polytuffus.com
 Web: www.polytuffus.com

B-TUFF® 921

Industrial Membrane

Elastomeric, Aromatic Polyurethane

DESCRIPTION

B-Tuff® 921 is a two component, liquid applied, asphalt extended aromatic polyurethane that adheres to most substrates, to form a waterproof membrane.

FEATURES

- ❖ Seamless Waterproof Membrane
- ❖ Economical
- ❖ Proven Protection
- ❖ VOC Compliant
- ❖ UV Stable (color fades)
- ❖ Bridges cracks and joints
- ❖ Impervious to water and various aqueous chemicals

TYPICAL USES

- ❖ Corrosion Protection
- ❖ Containment
- ❖ Waterproofing
- ❖ Pond Liners
- ❖ Tank Liners

COMMON SUBSTRATES

- ❖ Concrete
- ❖ Wood
- ❖ Steel
- ❖ Metal
- ❖ Glass
- ❖ Asphalt

COLOR

Black, fades to dull black

PACKAGING

4.5 gallon kit: ½ gallon jar containing net 0.45 gallon (1.7 liter) of part-A and one 5 gallon pail containing net 4.05 gallons (15.3 liter) of part-B.

MIXING

DO NOT ESTIMATE, proportions are premeasured.

Using a mechanical mixer, first pre-mix B-Tuff® 921 Part-B material thoroughly to obtain a uniform color. Pour Part-A into Part-B slowly and while mixing. Mix for 3-4 minutes. Use care not to allow the entrapment of air into the mixture. B-Tuff® 921 should not be mixed by hand.

TECHNICAL DATA

Coverage Rate @ 1 gal/100 sq. ft	14.25 mils
Pot Life @ 75°F (24°C), 50% RH.	20 ± 5 minutes
Hardness, ASTM D-2240	60 ± 5 Shore A
Tear Resistance, Die C, ASTM D-624	150 ± 50 pli
	26.3 ± 9 kN/m
Tensile Strength, ASTM D-412	900 ± 100 psi
	6.2 ± 0.7 MPa
Ultimate Elongation, ASTM D-412	450 ± 100%
Total Solids by Volume, ASTM D-2697	89%
Volatile Organic Compounds,	0.73 lb/gal
ASTM D-2369-81	87.5 gm/liter

PRIMING

Most substrates should be primed with PSI recommended primer.

APPLICATION

Apply two coats of B-Tuff® 921 at 2 gallons per 100 sq. ft. each coat directly to a clean dry substrate.

Application of B-Tuff® 921 should not start if surface temperature is below 50° F (10° C) and must be 5° F (3° C) above dew point.

Do not apply when the ambient or substrate temperature is rising.

Do not apply B-Tuff® 921 in direct sunlight.

Spray equipment, squeegee, notched trowel or phenolic resin core roller may be used, if a roller is used extra care should be taken not to trap air bubbles into the mixture. Apply B-Tuff® 921 evenly over the entire deck at 60 wet mils. Most applications require only one coat, but if needed B-Tuff® 921 may be recoated in (1) one hour and no longer than (4) four hours after mixing. If B-Tuff® 921 has cured for more than (4) hours the surface may need to be mechanically abraded before recoating.

B-Tuff® 921 can be used in combination with fabric in a two-coat system specially for roofing application.

CURING

Allow coating to cure for (24) twenty four hours for light traffic, or (72) seventy two hours for heavy traffic.

B-Tuff® 921 is sensitive to heat and moisture and this could accelerate the curing time.

EQUIPMENT CLEANUP

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

STORAGE

B-Tuff® 921 has a shelf life of one (1) year from the date of manufacture in original, factory sealed containers.

LIMITATIONS

Do not apply B-Tuff® 921 in wet weather or if rain is imminent, coating should not become wet within (4) four hours after application.

Containers that have been opened must be used as soon as possible.

Do not dilute under any circumstance.

WARNINGS

This product contains Isocyanates, Asphalt and Solvent.

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local PSI representative or visit our website for current technical data and instructions.

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.

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 users 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.