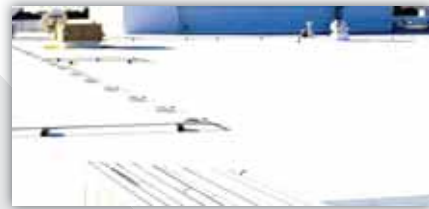


# B-SERIES URETHANES TECHNICAL DATA



## B-1008 Technical Data\*

Dry film thickness per coat @ 1 gal/100 sq. ft1	10-12 mil
Hardness, ASTM D-2240	95 ± 5 Shore A
Tear Resistance, Die C, ASTM D-624	450± 50 pli / 78.8 ± 10kN/m
Tensile strength ASTM D-412	4000 ± 400 PSI / 27.6 ± 2.7 MPa
Elongation, ASTM D-412	250 ± 25%
Specific Gravity	1.14
Total solids by weight, ASTM D-2369	70 ± 2%
Total solids by volume, ASTM D-2697	61 ± 2%
Viscosity @ 75°F (24°C)	1200 ± 600 cps
VOC's, ASTM D-2369-81	2.79 lb/gal (334 gm/liter)



## B-2008 Technical Data\*

Hardness, ASTM D-2240	69 Shore A
Tensile strength	1100 psi
Elongation, ASTM	350%
Permeability	.02 Perms
Specific Gravity	1.14
Total solids by weight, ASTM D-1644	79 ± 2%
Total solids by volume, ASTM D-2697	74 ± 2%
Viscosity @ 75°F (24°C)	3000 cP
Water absorption	1.6%
Adhesion	Exceeds Tensile
Weight per gallon	8.5 lbs
Flash point	93°F
Service Temperature	-50° F - 200°F
Solar Reflectance	87%
Thermal Emittance	91%
Shelf Life	90 days



## B-3008 Technical Data\*

Hardness, ASTM D-2240	69 Shore A
Tensile strength	240 psi
Elongation	150%
Permeability	.02 Perm
Total solids by weight, ASTM D-1644	79%
Total solids by volume, ASTM D-2697	68%
Viscosity @ 75°F (24°C)	3000 cP
Water absorption	2.4%
Adhesion	Exceeds tensile
Flash point	80° F



**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 IPP representative or visit our website for current technical data and instructions.**

### 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 IPP makes no claim that these tests or any other tests, accurately represent all environments.

**\*Contact IPP for applications in California including and excluding the SCAQMD area.**

# B-SERIES URETHANES



## DESCRIPTION

The B-Series single component urethanes were designed and developed for use with the Performance and Waterproofing grade rubber but can also be used as a stand alone product.

## FEATURES

- Durable
- Excellent Weatherability
- Seamless
- UV Resistant

### **B-1008:** Aliphatic Polyester Urethane

- Used in applications that require extra durability or where the surface is exposed to foot traffic.

### **B-2008:** Aliphatic Urethane

- For use in applications that require standard durability and chemical resistance.

### **B-3008:** Aromatic Aluminum Urethane

- Designed to be an economical choice for a roof coating that has the durability of a urethane and reflectivity of the aluminum.

## PACKAGING

1 Gallon (3.78 Liter), 5 gallon( 18.93 Liters), 55 gallon drums.

## MIXING

Before application, mix using a mechanical mixer at slow speeds until a homogeneous mixture and color is obtained. Do not dilute under any circumstances.

## APPLICATION

Apply evenly over the entire surface. For best results, airless sprayer or chemical resistant roller may be used but extra care should be taken not to cause air bubbles. Back rolling may be necessary in some applications. An aggregate can be added for a skid resistant surface.

The B-Series Urethanes may require more than one coat depending on the job specifications and requirements. When estimating the material requirements, coverage rates tend to increase for subsequent coats required. To obtain proper adhesion between coats it is imperative that the recoating be done within 48 hours.



## CURING

- At 70°F (21°C) and 50% relative humidity, allow each coat to cure a minimum of 16 hours between each coat.
- Allow a minimum of 24 hours before permitting light foot traffic and at least 72 hours before allowing heavy foot traffic on the finished surface.
- If more than 48 hours passes between coats. The surface must be primed prior to proceeding with the next coat. Contact IPP for the appropriate primer.
- The B-Series Urethanes are sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use cautions when high temperatures and/or high humidity are present. Low temperature and/or low humidity will extend the cure times. To accelerate the cure an accelerator may be used. Contact IPP for accelerator information.

## CLEANUP

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

## STORAGE

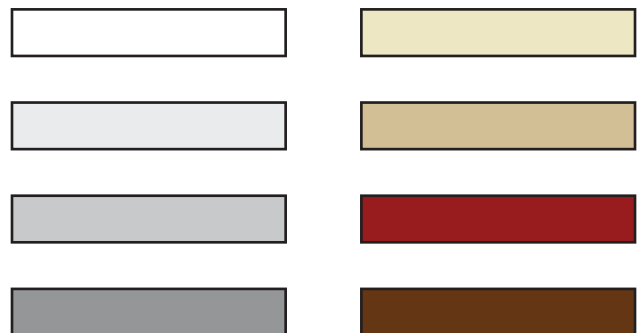
- B-Series Urethanes must be stored out of sunlight in a cool dry place.

## LIMITATIONS

- Surfaces must be dry, clean and free from foreign matter.
- Cured surface may be slippery when wet
- Containers that have been opened must be used as soon as possible.

## COLOR (B-1008/B-2008 ONLY)

- Clear, White, Light Grey, Medium Grey, Dark Grey, Tan, Dark Tan, Brick Red, Chocolate.
- Custom colors are also available with a minimum order of 100 gallons.
- Clear coating may turn opaque and cloudy due to moisture penetration during curing.



*Standard colors may vary slightly,*