

# Product Data Sheet

# USP® BASE SHEET

**Product Description:** USP® Base Sheet is manufactured with a heavyweight, select fiberglass mat designed and constructed to be strong, while remaining wrinkle resistant. The strong glass mat is saturated with a high quality, non-filled asphaltic bitumen for a strong, durable yet uniformly consistent in roll out for ease of application. USP® Base Sheet is designed for use as a replacement for coated organic base felts, as the fiber glass (inorganic) mat reinforcement is rot resistant and has low moisture absorption. It is ideal for applications as a base ply in where mechanical attachment of the sheet to the roof substrate or roof deck is desirable, or for hot mop specifications, compatible cold adhesive applied in conjunction with cold adhesive specifications and torch applied roofing applications and specifications requiring ASTM D-4601 Type I/II base sheet. Contact the U.S. Ply Technical Services for specific details.

## Product Name: USP® Base Sheet

**Classification:** Fiberglass BUR Roof Membrane; UL Type G2

**Approvals:** Meets ASTM D4601 Type I/II. USP® Base Sheet is UL Classified with Underwriter's Laboratories (UL) R11662, is Factory Mutual (FM) Approved, and listed with Florida Building Code (FBC) FL-5305, FL-8077, FL-14405, and is Miami-Dade County approved, and Texas Department of Insurance (TDI) RC-123. Contact U.S. Ply, Inc. for specific/applicable codes.

## Product Data: USP® Base Sheet (typical)

Roll Dimensions: 108' x 36"  
Area of roll ft<sup>2</sup>: 3 squares (324 ft<sup>2</sup>).  
Weight: 80 lbs/roll (36.2 kg/m<sup>2</sup>)  
Rolls per pallet: 20 per pallet  
Lap Lines: 2", 4", 17"

**BASE SHEET APPLICATION:** Base sheets should be cut into lengths short enough to be easily handled and allowed to warm and relax prior to installation. Appropriate maximum membrane length will vary depending upon temperature conditions. The base sheet must be warmed to a temperature sufficient to allow expansion and relaxation of the asphaltic coating, prior to application, otherwise wrinkles may form. The applicator must evaluate weather conditions to determine maximum functional length and relaxation time to avoid wrinkling. Place tension on the end of the base sheet during installation to ensure that the sheet lays flat.

**Adhesive Application:** Install base sheet, over an acceptable substrate, in a uniform application of approved adhesive applied at the rate of 1.5 – 2.0 gal/square (0.6 – 0.8 L/m<sup>2</sup>). Lap the sheets a minimum of 2" (5.1 cm) on side laps and 4" (10.2 cm) on end laps.

**Asphalt Application:** Install base sheet, over an acceptable substrate, in a uniform mopping of hot asphalt applied at the rate of 25 lb/square (1.2 kg/m<sup>2</sup>). Lap the sheets a minimum of 2" (5.1 cm) on side laps and 4" (10.2 cm) on end laps.

**Fastening Pattern:** Mechanically fasten base sheet over the deck. Lap the base sheet a minimum of 2" (5.1 cm) of sides and 4" (10.2 cm) on ends, and mechanically fasten with appropriate fasteners. Follow pattern determined by warranty requirements or by design criteria whichever is more stringent. Increase fastener density in perimeters and corners in accordance with project requirements. Fastening patterns vary according to desired uplift resistance. Always contact the U.S. Ply, Inc. Technical Services department to verify fastening pattern meets desired uplift

resistance.

All values given are approximate and are subject to change without notice. There is no implied or express warranty given through these values or statements, nor are there any assertions that the product purchased has been individually tested to conform to these standards. Testing is performed on a random basis by "in-house" and independent "third party" evaluation for the purpose of classification and or approval. Acceptance, purchase and selection of these products are the sole responsibility of the buyer or buyer's representative. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of the product. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY U.S. PLY, INC. EXPRESSED OR IMPLIED; STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.



**CORPORATE HEADQUARTERS: P.O. BOX 11740, FORT WORTH,  
TEXAS 76110**

**TOLL-FREE: 866-PUSH-PLY (866) 787-4759 LOCAL: (817)  
413-0103 • FAX: (817) 413-8221  
[WWW.USPLY.COM](http://WWW.USPLY.COM)**