

# USP® POLYFORCEMENT

**Description:** USP® PolyForcement is a strong polyester fabric that is designed for reinforcing a three course seal in conjunction with USP® Energy coatings & mastics, All Season® Thermoplastic coatings and mastics on seams, flashings and penetrations.

**Surface Preparation:** Surfaces to be coated must be clean, paintable and free of foreign materials, oils, grease, mildew and other contaminants that may affect the bonding of the product. It is necessary to wash and prime to enhance adhesion by power washing and broom scrubbing with a diluted solution of USP® PreKote Clean-N-Prime. Rinse clean.

**Application Guidelines:** Apply USP® PolyForcement by setting the fabric into an embedment of the appropriate coating or mastic depending on the specification. Ensure full embedment by tamping down the fabric to aid in saturation. A final layer of appropriate coating or mastic is then applied to encapsulate the fabric. Overlap seams 4" on ends. Allow to cure before applying base coating materials.

**Fully Reinforced System:** For fully reinforced applications start at one end of the roof, reinforce with a layer of 40 inch wide USP® PolyForcement, with side laps lapped a minimum of 3 inches and end laps a minimum of 6 inches. Set in a uniform layer of base coating applied at an approximate rate of 1.5 gallons per 100 square feet (24 wet mils). Dry brush the fabric smooth and allow a minimum of one hour dry time. Follow with another layer of base coating at an approximate rate of 1.5 gallons per 100 square feet (24 wet mils) over the reinforcing fabric to completely encapsulate the fabric.

## Product Data: USP® PolyForcement (typical)

| Property           | Test Method | Values    |             |
|--------------------|-------------|-----------|-------------|
| Width              |             | 40"       | 4", 6", 12" |
| Length             |             | 324 ft    | 324 ft      |
| Weight (oz/sq.yd.) |             | 3 oz.     | 2.75 oz.    |
| Tensile            | D1682       | 57.1 lbs  | 31.6 lbs    |
| Elongation         | D1682       | 61.65%    | 40.6%       |
| Mullen Burst       | D3786       | 176.8 lbs | 99.6 lbs    |
| Trapezoid          | D1117       | 16.1 lbs  | 13.2 lbs    |

## Coverage:

4" wide roll covers approximately 80 sq. ft.

6" wide roll covers approximately 150 sq. ft.

12" wide roll covers approximately 320 sq. ft.

40" wide roll covers approximately 1,026 sq. ft.

Allow for additional surface area on irregular surfaces by multiplying total ln.ft. by 1.15.

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)**

