

# DURAFLEX™ #901 PREMIUM SBS MODIFIED ADHESIVE

## Product Data Sheet

**Product Name:** DuraFlex™ #901 Premium SBS Modified Adhesive

**Product Description:** Made with a high concentration of rubber and reinforcing fibers that result in an easy applying, quick bonding, and tough yet flexible adhesive. Designed for applying SBS modified bitumen membranes to various roof surfaces, base and/or interply sheets.

**Approvals:** Exceeds ASTM D-3019 Type III. DuraFlex™ #901 Premium SBS Modified Asphalt is listed or approved with Underwriter's Laboratories (UL). Contact U.S. Ply, Inc. for specific/applicable codes.

**Product Data:** DuraFlex™ #901 Premium SBS Modified Adhesive (typical)  
Coverage Rate: 1.5 - 2 gallons per 100 ft<sup>2</sup> (0.6 - 0.8 L/m<sup>2</sup>) depending on surface applied.  
Weight: 47 lbs/5 gal (20.8 kg/19 L)  
Maximum VOC content does not exceed 300 grams/liter.

**Storage/Handling & FIRE WARNING:** DuraFlex™ #901 Premium SBS Modified Adhesive is COMBUSTIBLE and should always be kept away from heat, open flame and any source of ignition. Observe normal safeguards for storing and handling of this product prior to and during application. Do not allow adhesive to freeze. Do not thin with additional solvents. Adhesive can be applied within an ambient temperature range of 40°F (4.4°C) to 100°F (37.8°C). Store material at 70°F (21.1°C) for at least 24 hours prior to application if the ambient temperature is 50°F (10°C) or below. **Clean Up:** Keep containers covered when not in use. Clean equipment and overspray with kerosene, mineral spirits or petroleum naphtha. Follow spray equipment manufacturer's instructions for cleaning with solvents. Clean hands with waterless hand cleaner. **Caution** DuraFlex™ #901 Premium SBS Modified Adhesive contains petroleum distillates. See ventilation recommendations regarding solvent odor. **Ventilation** – Cover rooftop air intake vents when applying the adhesive - to minimize the solvent odor. Use with adequate ventilation and close containers when not in use. If TLV (Total Level of Vapor) is exceeded, respirators are required (NIOSH/MSHA). Inhalation of high vapor concentration may result in headaches and/or dizziness. Remove individual to fresh air and administer oxygen if breathing is difficult. If breathing has stopped, administer artificial respiration, keep victim warm and order emergency medical attention immediately. **Compatibility & Limitations:** Do not use on wet or damp surfaces, directly over wood or on surfaces previously covered with coal tar products. Do not use with modified bitumen membranes that have a plastic release film backing or foil facer. Do not use over solvent sensitive insulation.

### Application Instructions:

Mechanically mix before application. Apply adhesive by brush/roller or notched squeegee at a rate of 1.5 - 2 gallons per 100 ft<sup>2</sup> (0.6 - 0.8 L/m<sup>2</sup>) to various roof surfaces, base/ply sheets or SBS modified asphalt membrane. **Surface Preparation:** All surfaces to be adhered must be clean, dry and free from any foreign matter, such as oil, grease, dirt or any debris that could inhibit the bonding capabilities of the adhesive. On existing roofs, inspect roof deck condition – moisture in old roof may require complete removal of existing roof. Check local building codes – local building codes may require complete removal of existing roof. Check with manufacturer for details on cutting out and repairing blisters, buckles and raised edges for a smooth surface. Check all flashings, edges, drains, valleys and vents and repair as needed. **Squeegee:** Pour a 2" (5 cm) to 4" (10 cm) wide bead of adhesive along the substrate about 12" (30.5 cm) from the low edge of the work area. Spread the adhesive with a 1/8" - 1/4" - (3 mm - 6 mm) serrated rubber profile squeegee to obtain a uniform, smooth even coat without gaps, dry areas or bubbles. **Brush/Roll:** Pour a 2" (5 cm) to 4" (10 cm) wide bead of adhesive along the substrate about 12" (30.5 cm) from the low edge of the work area. Spread the adhesive in a uniform, smooth, even coat without gaps, dry areas or bubbles. Continue to spread the adhesive up the roof until the bed of adhesive is wide enough to receive the sheet. The sheet is then rolled, scrolled or flopped into the adhesive. Brooming is recommended to ensure embedment. Re-positioning or straightening of the sheet can be accomplished during this time. (Refer the U.S. Ply application and installation instructions for specific installation procedures of the USP™ and/or DuraFlex™ SBS membranes.) Repeat adhesive application procedure for subsequent courses of membrane sheets.

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.

**U.S. PLY, INC.**

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