USP® 200 EV & PVC BONDING ADHESIVE

Description: USP® 200 EV & PVC Bonding Adhesive is a synthetic rubberized adhesive designed for bonding USP® EV-PLUS, USP® FB EV-PLUS and USP® PVC Thermoplastic membrane and wall flashings to various substrates or other vertical surfaces.

Use: Intended for bonding USP® EV-PLUS, USP® FB EV-PLUS and USP® PVC Thermoplastic membrane and wall flashings to various substrates or other vertical surfaces.

Application Method: USP® 200 BONDING ADHESIVE is applied by brush or paint roller. Temperatures should be between 40°F and 100°F, however; best results are achieved at temperatures of 75°F. As the adhesive dries, the film will become pressure sensitive to the touch indicating that the application can proceed.

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.

Application Instructions: Apply USP® 200 Bonding Adhesive (Solvent-Based) according to the following instructions: Stir well, do not thin. The deck surface must be clean, dry, smooth and free of any foreign materials, grease or oil. Do not use in direct contact with polystyrene foam. A smooth, even coating of USP® 200 Bonding Adhesive (Solvent-Based) shall be applied to the substrate and back of the smooth membrane or applied to substrate only when fleece-backed membrane is used and allowed to dry for 15 - 30 minutes, depending on the substrate and environmental conditions. Note: If adhesive is applied at temperatures below 40°F will extend drying times and may cause condensation to form on the adhesive film producing lower ultimate bond strengths.

For Substrate Conditions: The adhesive shall be applied to both surfaces at a nominal rate of 60 – 70 sq. ft. per ½ gallon. The coverage rate is dependent on the type of substrate but should average between 60 – 70 sq. ft. per gallon for the membrane and substrate total. Apply using a minimum 3/8” nap, solvent-resistant paint roller or brush. When the adhesive on the membrane has dried sufficiently to produce adhesive legs or strings with a light touch of a dry finger, the coated membrane shall be rolled onto the previously coated substrate in such a manner as to eliminate wrinkles and trapped air. If the adhesive on either surface has dried excessively, then the surface in question must be recoated with adhesive. The adhesive must show complete transfer between the substrate and membrane surfaces when peeled back as evidenced by adhesive “legs and strings.” Apply adequate pressure to ensure good contact between the substrate and the membrane. Always broom in membrane to ensure maximum contact between membrane and adhesive. In some cases, it may be necessary to use a lawn roller. Complete all seams of the membrane by the hot air welding method. Refer to USP® Single Ply Roofing Systems Guide Specifications, Detail Drawings and Technical Bulletins for instructions.

For Flashing Conditions: Adhere the flashing membrane to walls, curbs and other vertical surfaces with USP® 200 Bonding Adhesive. The USP® 200 Bonding Adhesive is applied to both the membrane and the surface to which it is bonded. The coverage rate is dependent on the type of substrate but should average approximately 60 square feet per gallon for both the membrane and the substrate. The USP® 200 Bonding Adhesive is allowed to dry for 15 – 30 minutes before mating. Once mated apply adequate pressure by means of a broom or roller to ensure that full contact and bonding is achieved. The bonded membrane may not be repositioned once contact is made with substrate.

Coverage: Coverage rate is approximately 60 sq. ft. per gallon per surface, depending on the absorbency of the substrate. Note: Increased rates of application will prolong the curing process.

Product Data: USP® 200 Low EV & PVC Bonding Adhesive (typical)

Item Code: SP-200-BA

Color: Amber/Yellow

Adhesive Base: Neoprene

Viscosity: 2,500 cps @ 77°F

% Solids: 25% +/- 1%

Weight per gallon: 7.6 lbs/ gal

Packaging: Available in 5 gallon pails. Pail weight approximately 40 lbs.

Clean Up: Keep containers covered when not in use. Use USP® Natural Solvent Cleaner for clean up.

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:** Compatible with concrete, masonry, metal and wood flashing substrates. Do not use on wet or damp surfaces, directly over surfaces previously covered with coal tar products. Do not use with EPS, or XPS (polystyrene) insulations or any other solvent sensitive insulation.

**Shelf Life:** 12 months when stored between 60°F (16°C) and 80°F (27°C) in unopened containers out of direct sunlight.

**KEEP OUT OF THE REACH OF CHILDREN.** For professional use only. Use only with approved equipment sale to consumer is violation of federal law. If you cannot read, or do not understand, all directions, cautions and warnings, do not use this product. Read MSDS prior to use.

**Caution:** USP® 200 Bonding Adhesive is extremely flammable and must be kept away from heat, sparks, open flame and any source of ignition. Adhesive should be stored in a dry area protected from weather and extreme temperatures. Use only in well-ventilated areas. Keep out of the reach of children. Observe normal safeguards for storing and handling of this product prior to and during application. 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. If adhesive is stored below 40°F, it must be stored at room temperature (72°F) for a minimum of three days before using.

**California Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer; birth defects and/or reproductive harm.

**DOT Label Required:** Flammable Liquid UN 1133

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.

Seller warrants that this product shall be free of any defect in material or workmanship under normal use for a period of ONE YEAR from the date of purchase. This warranty does not extend to any defect or failure caused by misuse and/or incorrect application. **LIMITATION OF LIABILITY:** In the event of a defect or failure falling under this warranty, Buyer’s sole remedy shall be refund of the purchase price or replacement of the defective material, at Seller’s option. Under no circumstances shall Seller be liable for any losses or damages caused by this product, whether direct, indirect, special, incidental, or consequential damages, whether based on contract, tort (including negligence) or any other legal theory. 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 WITH RESPECT TO THE GOODS HEREBIN SOLD BEYOND THE TERMS SET FORTH ON THE FACE HEREOF. NO EMPLOYEE OR AGENT OF SELLER IS AUTHORIZED TO ALTER THE TERMS HEREOF.