

## Product Data Sheet

*Pioneered with performance in  
mind...Engineered to stand the test of time.*

### Product Description

**RapidGRIP® Readi-Base SA** is a sand surfaced, SBS (Styrene-Butadiene-Styrene) self-adhesive membrane. Manufactured with a fiberglass mat that is saturated and coated with a premium quality asphaltic bitumen that is combined with durable SBS elastomers and protected by a poly release film for easy installation.

### Product Use

It is designed for use as a self-adhesive base sheet or interply sheet in conjunction with APP torch applied, SBS torch applied and SBS mop applied assemblies where applicable. RapidGRIP® is designed to be used as a base sheet over polyisocyanurate, G-P Dens Deck Prime® and/or USG Securock® and is ideal for temporary dry-in of roofs. Not suited for use as a base sheet in cold applied assemblies. Contact the U.S. Ply Technical Services for specific details.

### Product Name: RapidGRIP® Readi-Base SA

**Classification:** Self-Adhesive SBS Modified Bitumen Base Sheet

**Approvals:** Meets ASTM D1970 and the performance criteria of ASTM D6163 Type I, Grade S. RapidGRIP® Readi-Base SA is Factory Mutual (FM) Approved. Contact U.S. Ply, Inc. for specific/applicable codes.

### Product Data: RapidGRIP® Readi-Base SA (typical)

**Thickness:** 1.4 mm (55 mils)

**Weight:** 72 lbs/roll (32.6 kg/m<sup>2</sup>)

**Roll Dimensions:** 39-3/8" x 61' (1m x 18.6m). Each roll is approximately 200 sq. ft. unapplied. Yields approximately 1.75 squares applied.

Physical Properties (ASTM D5147):	Test Results
Tensile Strength (lbf/in), 73°F (MD/XMD)	66/55 lbf/in
Elongation (% @ Max Load), 73°F (MD/XMD)	10%
Low Temperature Flexibility, (°F), maximum	-8°F (-22°C)
Water Vapor Permeability	0.1 perms
High Temperature Stability, (°F)	239°F (115°C)

### STORAGE

Store RapidGRIP® rolls in original cartons indoors on pallets, protected from the elements above 70°F (21.1°C) for a minimum of 24 hours, prior to application. If stored outside, protect from extreme heat and weather by covering with a light colored breathable opaque tarp to allow venting and protection from weather and moisture. Cover and protect materials at the end of each day's work. Do not remove any protective tarpaulins until immediately before material will be installed.

For best results, store all materials in a shaded area at the job site, even if provisions for covering and ventilation have been performed. When no shaded areas exist for storage, it is recommended to place a layer of minimum 1" thick polyisocyanurate insulation over the top of the cartons under the tarpaulins to reduce the heat on the rolls and in order to reduce the possibility of rolls sticking or experiencing difficulty in removing the poly release film backing. Rolls that

are improperly stored or have been warehoused for prolonged periods of time may lose their tack or may experience difficulty removing the poly release film backing.

### TEMPERATURE - CAUTION

Ambient temperature must be 50°F (10.6°C) or above with a minimum of 2 hours of exposure to direct sunlight. Conditions without exposure to direct sunlight may not allow sufficient thermal heating and may affect adhesion. DO NOT STORE product in direct sunlight or on the rooftop during extremely high temperatures (over 110°F [43.3°C]) or when temperatures will fall below 50°F (10°C). If it is necessary to store materials on the rooftop, no more material should be stored on the roof than can be used within a few days. Keep in cartons until ready for use. If product is applied in temperatures above 110°F (43.3°C), it may result in difficulty in removing the poly release film backing from the underside. If this situation should occur, move the product to a shaded area until the product has cooled sufficiently. Once cooled, the poly release film backing can be easily removed. Note: Exposure to excessive heat may cause sagging of compound on vertical surfaces.

## Application Guidelines

### PREPARATION

Substrates must be clean, dry and free of moisture and dust or other bonding inhibitors that affect proper adhesion. Substrates should be inspected and accepted by the contractor as suitable to receive and hold roof membrane materials. All decks should be designed to attain positive drainage. Ponding or standing water conditions are expressly excluded from warranty/guarantee coverage.

**RapidGRIP® Readi-Base SA** is applied using self-adhesive techniques in conjunction with torch applied or hot asphalt applied modified bitumen roof cover overlay. RapidGRIP® Readi-Base may be applied to properly installed TUFFStik® Nail Base, and approved insulations. No other substrates are suitable for direct membrane application under warranty requirements. Deck must be clean, free of voids and substrate temperature needs to be a minimum of 50°F and rising. Supplemental heat on substrate and underside of membrane is necessary to bond the RapidGRIP® membrane in conditions that do not meet the minimum criteria for accomplishing suitable self-adhesive reaction.

Roll out RapidGRIP® and allow the membrane to relax prior to application. Cut rolls into manageable lengths for best results. Start with a half roll width at low point of roof or a full roof at the drains for maximum offset between base and cap. The selvage edge should be at the higher side of the roof. Roll the sheet out and set to align. Fold the membrane back halfway lengthwise to remove the half of the poly release film on the underside from the upslope side of the roll and set in place then flip back the other half of the roll and remove the downslope side of the second half of the release film on the underside of the roll in a smooth continuous process. On larger runs, you can set the membrane in position and

remove the release film from underneath the membrane. (This method requires one person at one end while the other person removes the film to prevent shifting).

Firmly adhere the membrane by direct contact pressure to the underlying membrane. Apply pressure from the center of the sheet outwards towards the membrane sides and ends. For best results, use a weighted field roller to ensure maximum contact of the membrane with the underlying membrane working out all voids and un-adhered areas. Continue installing the membrane up slope lapping the side laps 4" (10.1 cm) and 6" (15.2 cm) on the end laps. Stagger all end laps a minimum of 18" (45.7 cm) from one another. Remove the release film from the selvage edge and the poly release film from the underside of the roll simultaneously to bond the side lap together. Check all joints and laps for full adhesion before the end of each day. If the membrane can be lifted in any area, it is not properly adhered. A seam probing tool can be helpful to check for small voids at laps. At end laps, cut the selvage edges of the upper and lower sheet at opposing diagonal corners at 45° degree angles to prevent a capillary void and apply a bead of USP® 954 SBS Flashing Cement to the angle cut. Apply a bead of USP® 954 SBS Flashing Cement within the end lap area in a serpentine pattern and spread the adhesive with a trowel before setting the end lap in place. Note: Warm weather conditions and exposure to direct sunlight are essential for proper adhesion. The self-adhesive compound will not activate if installed below the recommended temperatures and/or if the material temperature is below 70°F. If necessary, a hot air welding device designed for sealing modified bitumen seams and a hand-held seaming roller may be used to seal the side and end laps areas and enhance adhesion prior to the application of the USP® 954 SBS Flashing Cement at end laps.

Note: If product is applied in temperatures above 110°F (43.3°C), it may result in difficulty in removing the poly release film backing from the underside. If this situation should occur, move the product to a shaded area until the product has cooled sufficiently. Once cooled, the poly release film backing can be easily removed.

Important: If the cap sheet is not to be installed the same day, then supplemental heating to the underside of the sheet may be necessary to activate the adhesive tack and accomplish desired mating to substrate. Use product box for discarding poly release film. After completion of job discard product box.

#### **IMPORTANT/CAUTION**

- See also Application Guidelines on reverse panel and refer to the US Ply Specification Manual for complete application information.
- Roofing is a hazardous construction. Workers should be properly trained in safety and a manner to avoid falls, burns, back injuries, heat related afflictions, etc.
- Do not use coal-tar pitch, coal-tar bitumen, or cold adhesive in conjunction with RapidGRIP® products.
- Not intended for direct application to any other surface other than TUFFStik® Nail Base and approved insulations.
- Primer, when required, must be applied at the specified rate and must be allowed adequate time to dry.

#### **DISCLAIMER**

**User and certified U.S. Ply contractor/ applicators determine suitability only. See product data sheets, SDS sheets, guide specifications and details for complete information regarding the suitability, application and handling of this product. All values given are approximate and are subject to change without notice. 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.**

**DISCLAIMER, WARRANTY LIMITATION AND LIMITATION OF LIABILITY:** U.S. Ply warrants **ONLY** that, at the time of delivery, the U.S. Ply Material (herein the "Products") delivered shall conform to seller's specifications therefor free and clear of all liens and encumbrances. **THIS WARRANTY IS EXCLUSIVE AND IS IN LIEU OF (I) ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, and (ii) any other obligations or liability on the part of U.S. PLY, whether any claim against it is based upon STRICT LIABILITY, NEGLIGENCE, BREACH OF WARRANTY OR ANY OTHER THEORY OR CAUSE OF ACTION. In no event shall U.S. Ply be liable for CONSEQUENTIAL OR INCIDENTAL DAMAGES** of any kind, including but not limited to interior damage to the facility upon which the Products were installed or the contents contained therein. Other than the foregoing, U.S. Ply makes no warranties of any kind as to such Products, and although recommendations made by U.S. Ply are believed to be reliable, but U.S. Ply makes no warranty of results to be obtained and any reliance on such recommendations, if any, is precluded. If any Product(s) fails to conform to the foregoing warranty, the **SOLE AND EXCLUSIVE REMEDY** available to the Purchaser and/or end user shall be, at the sole option of U.S. Ply, repair or replacement of such non-conforming Product, with the further proviso that such Product has been handled and installed in accordance with U.S. Ply's published handling procedures and installation specifications. This warranty does not apply to, and U.S. Ply shall not be liable for, costs for labor or other application related damages regardless of whether same arise from improper or faulty installation of the Products. Further, U.S. Ply shall also not be liable for labor costs or any other application related damages resulting from failure of the Product to comply with this limited warranty. Regardless of the theory on which a claim may be made, including, without limitation, negligence, contract, breach of warranty, strict liability in tort, misrepresentation, or otherwise, with respect to the Product(s) delivered, no claims of any kind whatsoever shall be greater in amount than the **ORIGINAL PURCHASE PRICE** of the Product(s) in respect of which damages are claimed. In **NO** event shall U.S. Ply be liable for **INCIDENTAL, CONSEQUENTIAL, SPECIAL, INDIRECT OR PUNITIVE DAMAGES** or any other claims or damages, including damages which may exceed the original cost of the Products made the basis of any claim.