

# ROOF MATE

## REINFORCING FABRIC & MESH

### Technical Data & Application Instructions

#### PRODUCT DESCRIPTION

**ROOF MATE FABRIC** and **ROOF MATE MESH** are stitchbonded, 100% polyester materials made specifically for use with elastomeric coatings in roof membrane construction. Stitchbonded polyester is one of the strongest fabrics available for adding reinforcement to seams, splits, joints, cracks, protrusions and flashings. **ROOF MATE FABRIC** and **ROOF MATE MESH** offer an unusual combination of high strength properties and good elongation for excellent thermal stress resistance. The fabric is very pliable and is designed to conform to irregular and dissimilar surfaces more easily than other soft fabrics. **ROOF MATE FABRIC** and **ROOF MATE MESH** both have high absorption capability, allowing them to easily wet into and become encapsulated by the liquid roofing membrane, forming tough, waterproof details or overall reinforcement.

#### BASIC USES

**ROOF MATE FABRIC** is designed to reinforce large roof areas that are heavily alligatored or contain numerous cracks, seams, joints or splits. **ROOF MATE MESH** is used to reinforce detail areas such as seams, splits, drains, vents and other protrusions through the roof surface.

#### PACKAGING

**ROOF MATE FABRIC** is supplied in 40" (1 m) width by 324' (99 m) length rolls designed to cover 1,000 sq. ft. (93 m<sup>2</sup>) including a 2" (5 cm) overlap. **ROOF MATE MESH** is available in 4" (10 cm), 6" (15 cm) and 12" (30 cm) width by 300' (91 m) length rolls.

#### APPLICATION

All surfaces must be dry and free from dirt, dust, grease, oil, pollution fallout and any other contaminants that may interfere with proper adhesion. **ROOF MATE FABRIC** is embedded into a wet base coat of **ROOF MATE**, **Roof Mate Basecoat**, **Roofshield** or other elastomeric basecoat applied at 1 to 2 gallons per 100 sq. ft. (.4 to .8 l/m<sup>2</sup>), depending on the surface profile. The fabric is worked into the basecoat with a broom or roller so that it is completely saturated. It is then topcoated with additional coating at 1 to 1½ gallons per 100 sq. ft. (.4 to .6 l/m<sup>2</sup>) to totally encapsulate the fabric. Overlap edges of fabric a minimum of 2" (5 cm) on each edge. If using **Unibase** to encapsulate the **ROOF MATE FABRIC**, it is applied at the rate of 2 to 4 gallons per 100 sq. ft. (.8 to 1.6 l/m<sup>2</sup>), by airless spray or roller, from the top side of the fabric. Distribute the **Unibase** evenly throughout the fabric using a broom or roller, eliminating any wrinkles, gaps or air pockets. **ROOF MATE MESH** is installed as required after application of any primers or caulk, and prior to application of the coating on the field of the roof. Cut the mesh to the desired length. Slit the bottom half of mesh used around vent pipes and other circular protrusions so that it lies flat. Utilizing a roller or brush, apply a 6 to 14 (15 to 35 cm) inch wide strip-coat of coating, depending on mesh width, at 15 to 20 mils (381 to 508 microns) thick over areas to be treated. Immediately embed mesh into wet coating and work it with a brush or roller so that it is saturated with coating. Apply an additional 15 to 20 wet mils (381 to 508 microns) over the top to completely encapsulate the mesh. **ROOF MATE MESH** shall be X'd or heat-melted when applied over fastener heads on metal roofs so that it lies flat. All reinforcement fabric shall be 100% adhered to the substrate, with no tenting or air pockets.

#### TYPICAL PROPERTIES

Fabric Weight:	-----	4 oz. per square yard [ASTM D3776]
Mullen Burstin Strength:	-----	144 lbs. per square inch [ASTM D3786]
Tear Strength (Trapezoid):	-----	16 lbf length, 24 lbf width [ASTM D5733]
Breaking Force (1" cut strip):	-----	42 lbf length, 27 lbf width [ASTM D5535]
Elongation at Break (1" cut strip):	-----	28% length, 61% width [ASTM D5535]



*Our products are guaranteed to meet established quality control standards. Information contained in our technical data is based on laboratory and field testing, but is subject to change without prior notice. No guarantees of accuracy are given or implied, nor does UNITED assume any responsibility for coverage, performance or injuries resulting from storage, handling or use of our products. Liability, if any, is limited to product replacement or, if applicable, to the terms stated within the executed project warranty.*