MantaPoly™

Polyester Reinforcing Fabric

DESCRIPTION

MantaPoly™ is a stitch-bonded polyester fabric that reinforces cold-process roofing systems, mastics and elastomeric roof coatings. It comes in a firm or a soft finish and in several roll widths, so it can be matched to the surface and the detail.

Features: 540 Firm: lies flat with few wrinkles on smooth and cap-sheet surfaces • 540 Soft: conforms to rough, spudded or gravel-filled surfaces • MP-HS (heavy weight, medium-soft finish): higher strength and elongation; narrow rolls for flashings, seams, walls and metal roofs

USES

- Reinforcement of cold-process roofing systems
- Flashing reinforcement with mastics and elastomeric coatings
- Seams, walls and metal roof details (narrow MP-HS rolls)

PACKAGING SIZES

Rolls 40 in × 324 ft (540 Firm, 540 Soft, MP-HS 540) • 20 in × 300 ft (MP-HS 520) • 12 in × 300 ft (MP-HS 512) • 6 in × 300 ft (MP-HS 506) • 4 in × 300 ft (MP-HS 504)

STANDARD COLORS

White

APPLICATION INSTRUCTIONS

Preparation: The surface must be clean and dry, with no dirt, dust, oil, grease, wax, rust, chalky or loose paint, mildew or anything else that could weaken adhesion.

Application: Apply the MantaCryl™ coating, or the cold-process coating the specification calls for, evenly. Roll the fabric into the wet coating and broom or brush it until all wrinkles and air pockets are gone and it is fully embedded. Topcoat over the fabric until it is fully saturated, and let each coat dry as the coating's data sheet specifies.

LIMITATIONS AND PRECAUTIONS

540 Firm and 540 Soft have fewer stitches per inch and wet out easily. MP-HS has more, closer stitches and may need extra brooming to embed fully. For professional use only.

SAFETY AND HANDLING

Follow the product label and the Safety Data Sheet (mantaroof.com).

PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	540 FIRM / 540 SOFT	MP-HS
Weight	—	2.75–3.0 oz/sq yd	3.0 oz/sq yd (100 g/m²)
Thickness	—	0.025 in	0.025 in
Tensile strength (average of MD and CD)	ASTM D1682	41 lb	57 lb
Elongation (average of MD and CD)	ASTM D1682	25%	61%
Burst strength	ASTM D3786	127 lb	176 lb
Trapezoid tear strength (average of MD and CD)	ASTM D1117	14 lb	16 lb

Data are typical values, not specifications, and may change without notice. The user is responsible for determining suitability. Check mantaroof.com for the current version. Technical service: +1 844 506 2682.