



Epflex "Tacky Back" Barrier Tape Product Data Sheet

Description:

SP-505 is an extruded, vulcanized, black rubber adhesive tape originally designed to provide high strength, watertight joints in single ply EPDM roofing membranes. SP-505 is soft and tacky for quick grab to EPDM, yet possesses high initial strength at 158oF (70oC). SP-505 also exhibits excellent adhesion to polar and non-polar substrates such as glass, metals, wood, concrete, masonry and plastics. The tape is supplied in various widths by 0.030" thick by 100' rolls wound on easy releasing paper.

Features Benefits:

UL and FM Approved; Code Approvals
Environmentally Safe; No VOC's
Lowers Labor Costs; Decreases Application Time
Safety Benefits; No Solvents or Torch Needed
Excellent Tack; Quick Stick
Cures and Strengthens over time

Basic Use:

For splicing sheets of EPDM/POLYMERS for flashing, cover strip, coating, and detail applications.

Application Instructions:

Refer to application procedures.

Limitations:

Talc, dust, oil, ice, snow or wet conditions inhibit good adhesion. Clean and dry surfaces are preferred. Adheres very well to itself.

Health & Safety:

Users must follow individual product data sheet and Material Safety Data Sheets (M.S.D.S.) for health and safety precautions. Always use protective eyewear.

Availability/Cost:

Availability and cost can be obtained from your Polycorp representative or distributor.

U. S. Patent: 5,242,727

Technical Data

Un-Cured Physical Properties:

	Typical Values	Test Method
Base Polymer	EPDM	FTIR
Color	Black	Visual
Permeability	0.6 Perm-Mils	ASTM E 96
Hardness	110 dmm	ASTM D 217
Ash Content	16%	ASTM D 297
Elongation	800%	ASTM D 412
Peel Strength *	5 pli @ 70oF	ASTM D 413
Shear Strength *	20 psi @ 70oF	ASTM D 816
Brittleness Temp.	-50oF	ASTM D 746
Solids Content	98%	ASTM C 681
Tensile strength	40 psi	ASTM D 412
Specific Gravity	0.97	ASTM D 71
Volume Resistivity	2.5 x 10 ¹¹	ASTM D257

Cured Physical Properties:

	Typical Values	Test Method
Hardness	37 +/-5 Shore A	ASTM D2240
Elongation	400% min	ASTM D 412
Tensile strength	800 psi min	ASTM D 412

Application Properties

Service Temperature	-40oF to 250oF	ASTM D 3359
Application Temp.:	40oF to 120oF	ASTM C 603
Storage:	68oF to 120oF	ASTM D 1337
Shelf Life:	One year	ASTM D 1337

*Primed with HSSP-1 High Solids Splice Primer

NOTE: The foregoing information is published as general information only. The listed properties and performance characteristics are approximate values and are not part of the product specification.

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Polycorp Tacky Tape boot joint procedure (Jan 2013):

1 - Cut Boot off at 90 Deg using end of rail and butcher or hot knife



2 - Cut two pieces of tacky tape of appropriate length



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3 - Ensure rail is free of dirt and loose debris



4 - Center tape on joint and start on one side



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5 - Ensure minimal air bubbles and good contract all around first layer



6 - Install boot over first tape layer



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7 - Insure boot joint is butt together flush and centered over tape



8 - Apply second layer of tacky tape centered over boot joint



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9 - Press tape into joint and voids using a roller or other smooth object



10 - Tape should overlap rail head before trimming



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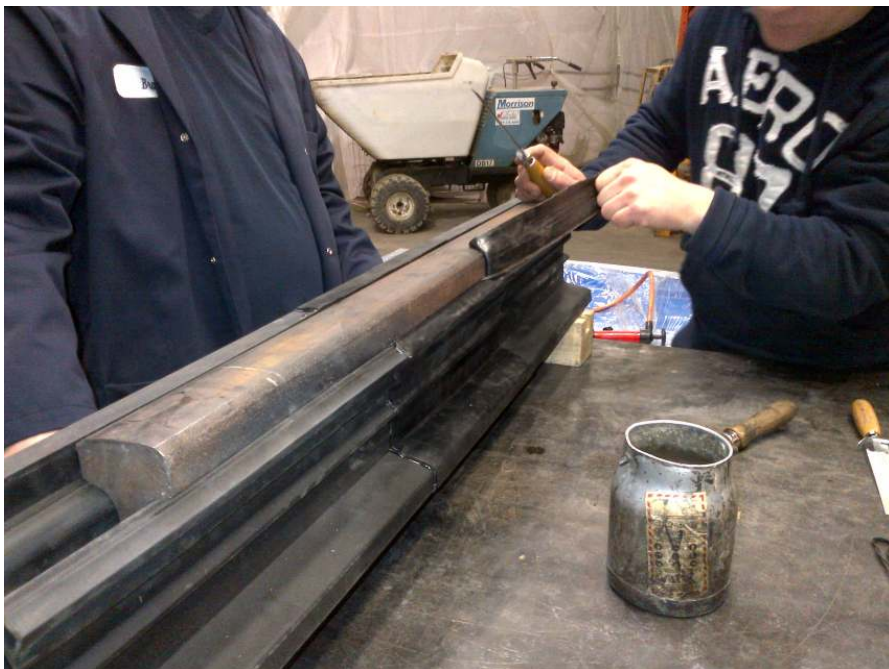
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11 - Trim gauge side tape



12 - Remove gauge side tape



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13 - Trim and remove field side tape



14 - Finished Joint



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