



# MiraPLY™-V

## Self-Adhering, Blindsided Waterproofing Membrane Vertical Grade

### DESCRIPTION

MiraPLY-V is a vertical grade, self-adhering, blindsided waterproofing membrane. This membrane is a fully adhered composite comprised of a tough, durable and flexible TPO backing with a butyl alloy adhesive.

### TYPICAL USES

MiraPLY-V self-adhering blindsided waterproofing membrane is designed for waterproofing zero property line applications against soil retention systems. MiraPLY-V is also very effective in rehab waterproofing and ideal for critical positive side waterproofing applications.

### ADVANTAGES

- Seals around fasteners
- Tremendous impermeability and excellent resistance to chemicals (i.e., acids and bases)
- Effective Radon Barrier
- Seals cracks in concrete

### CAUTION / LIMITATIONS

- Protect membrane from torch welding or cutting slag
- Do not use in conjunction with spiked rebar chairs
- Do not leave exposed for more than 60 days (30 with release liner and an additional 30 days without liner)
- Installation below 25°F require special tools and techniques. Consult Technical Services for details.

### PACKAGING

4' x 50' (1.22 m x 15.24 m) rolls. Weight: 65 lbs (29.5 kg)

### STORAGE

Store in the original packaging until use. Protect from UV exposure and weather below 40°F or above 100°F.

### LIMITED WARRANTY

Carlisle Coatings & Waterproofing Incorporated (Carlisle) warrants this product to be free of defects in workmanship and materials only at the time of shipment from our factory. If any Carlisle materials prove to contain manufacturing defects that substantially affect their performance, Carlisle will, at its option, replace the materials or refund its purchase price.

This limited warranty is the only warranty extended by Carlisle with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. Carlisle specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever.

The dollar value of Carlisle's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the Carlisle material in question.

### TECHNICAL DATA

PROPERTY	METHOD	UNIT	TYPICAL VALUE
TPO	—	mils (mm)	22 (.56)
Butyl Alloy	—	mils (mm)	25 (.64)
Water Vapor Permeance	ASTM E96, Method B	Perms	0.02
Tensile Strength*	ASTM D412	psi	1,999
300% Modulus*	ASTM D412	psi	874
Elongation @ Break*	ASTM D412	%	774
Maximum Tensile Strength*	ASTM D882	psi	1,898
Elongation @ Maximum*	ASTM D882	%	1,138
Tensile Strength @ Break*	ASTM D882	psi	1,598
Elongation @ Break*	ASTM D882	%	1,146
Modulus @ 200% Elongation*	ASTM D882	psi	811
Tear Strength*	ASTM D624 Die C	psi	289
Tear Strength*	ASTM D1004	psi	290
Puncture Strength @ Peak Load	ASTM E154	lbf	108

\*Data listed according to "Machine Direction" criteria, where applicable