



**PRODUCT NAME:
WISERSHIELD™ AIR BARRIER 1130**

PRODUCT DESCRIPTION

Wisershield™ Air Barrier 1130 is an elastomeric liquid applied asphalt-based coating formulated as an air/vapor and liquid moisture barrier within building envelopes. **Wisershield™ AirBarrier1130** is weather resistant, waterproof, vapor resistant, UV stable, eco-friendly and safe to use. With its unsurpassed ability to expand and contract, it can easily withstand all weather conditions. **Wisershield™ Air Barrier 1130** cures to form a tough, seamless, elastomeric membrane which delivers excellent resistance to air and moisture transmission.

APPLICATION & USES

Wisershield™ Air Barrier 1130 can be applied to most common surfaces and integrated with most wall systems. It is suitable for new construction and restoration. Primary applications include cavity wall and masonry wall construction. **Wisershield™ Air Barrier 1130** also works for precast, cast in place and block concrete; gypsum board, styrofoam, primed steel, drywall and plywood.

- Residential/Commercial Mid/High Rise
- Passive Homes
- **Wisershield™ Air Barrier1130** is designed to serve a protective function rather than an aesthetic one.

MAJOR ADVANTAGES

Wisershield™ Air Barrier 1130 exceeds all requirements of the **American Air Barrier Association**, the **Canadian Air Barrier Association** and all European requirements.

- **Wisershield™ Air Barrier1130 coating** can be used on almost any material, including wood, insulation, foam, and fiber board, and more.
- Low Permeability
- It elongates up to 800%, with 95% recovery
- This durable product can withstand severe temperature changes and is freeze/thaw resistant without becoming cracked or strained
- Self-heals if it is punctured
- Environmentally benign, and free of toxins and VOCs
- Acts as a rainscreen
- Produces a seamless, monolithic membrane

STORAGE & USE

- Mix each drum well prior to use.
- Ensure drum lids are sealed and airtight prior to use.
- Do not store in direct sunlight - storage range min. 41°F (5°C) to max. 90°F (32°C).
- Avoid storing or using the product in temperatures below 40.1°F (4.5°C).
- This product is mildly alkaline. Before applying, read associated Safety Data Sheet and follow guidance on proper personal protective equipment and material handling.

COVERAGE

Wisershield™ Air Barrier 1130 is applied at the rate of 20 ft² per U.S. gallon to produce a 60 mil protective membrane. *Wisershield™ Air Barrier 1130* dries to the touch in a few minutes at 68°F (20°C) and is completely cured in 24 hours. This curing time may vary depending on temperature and relative humidity. Typically, an application crew can spray 8,000 ft² (743 m²) per day.

TECHNICAL AND PRODUCT DATA

Percent Non-Volatile: 62.2
 pH: 10-12
 Specific Gravity:1.06
 Odor Slightly Aromatic
 Viscosity:22-24s Zahn #2
 Volatile Organic Compounds.....<1 g/L
 Color.....Brown to Black

PACKAGING

Pail5 US Gal (20L)
 Drum55 US Gal (205L)
 Tote.....275 US Gal (1000L)

SPECIFICATIONS

ASTM #	Requirement	Result	Comment	Description of test
AATCC 127	No leakage through membrane after 55cm water head for 5h	No Leakage	Pass	Water Resistance
ASTM D1970	No leakage through nail or underlayment after 125cm water head for 72h @ 4C	No Leakage	Pass	Nail Seal ability
ASTM D4541	110 kPa	192 kPa	Pass	Pull Adhesion-Gypsum board
ASTM D4541	110 kPa	189 kPa	Pass	Pull Adhesion -Concrete
ASTM D4541	110 kPa	222 kPa	Pass	Pull Adhesion -Plywood
ASTM C1305	No cracks, splitting or pinholes after 10 cycles @-26C	None	Pass	Crack Bridging
ASTM C836	No visible cracking, blistering, pinholes or other defects	No break in membrane	Pass	Crack Bridging-Initial

ASTM C836	No visible cracking, blistering, pinholes or other defects	No break in membrane	Pass	Crack Bridging-Water immersed
ASTM C836	No visible cracking, blistering, pinholes or other defects	No break in membrane	Pass	Crack Bridging-Heat aged
ASTM C836	No visible cracking, blistering, pinholes or other defects	No break in membrane	Pass	Crack Bridging-Chemically aged (NaOH)
ASTM C836	No visible cracking, blistering, pinholes or other defects	No break in membrane	Pass	Crack Bridging-Chemically aged (Acetic acid)
ASTM C836	No visible cracking, blistering, pinholes or other defects	No break in membrane	Pass	Crack Bridging-Ultraviolet exposed
ASTM E96	Declare	0.1 US Perms	None	Water Vapor Permeance
ASTM D1970	No Cracking	No Cracking	Pass	Low Temperature Flexibility-26C
ASTM D412	Declare	1128%	None	Elongation
ASTM D412	Declare	701kPa	None	Tensile Strength
ASTM D412	Declare	90% Recovery	None	Tensile Recovery
ASTM 2240	50	74.5	Pass	Hardness Shore 00 Hardness #
ASTM C836	Pass 1.5+/- .1	1.45	Pass	Film Thickness
ASTM C836	>175	3590	Pass	Adhesion in Peel-Initial
ASTM C836	>175	960	Pass	Adhesion in Peel-Maximum application temperature
ASTM C836	>175	8000	Pass	Adhesion in Peel-Minimum application temperature
ASTM C836	>158	3030	Pass	Adhesion in Peel-Water immersed
ASTM #	Requirement	Result	Comment	Description of test
ASTM C836	>158	5600	Pass	Adhesion in Peel-Heat aged
ASTM C836	>158	4200	Pass	Adhesion in Peel-Ultraviolet exposed
ASTM E154	Declare	22N>205 MM	None	Puncture Resistance
ASTM D751	Declare	No Leakage	None	Hydrostatic Pressure Resistance
ASTM E2178	0.004	0.0018	Pass	Evaluated Air Barrier Materials Air Permeance
ASTM E2357	0.04	0.018	Pass	Evaluated Air Barrier Materials Air Leakage Rate
ASTM D638	> 90% of initial value 0.108	0.66	Pass	Tensile Strength at Break-Heat Aged
ASTM D638	> 90% of initial value 0.108	0.12	Pass	Tensile Strength at Break-Chemically Aged (NaOH)
ASTM D638	> 90% of initial value 0.108	0.2	Pass	Tensile Strength at Break-Chemically Aged (Acetic acid)

ASTM D638	> 90% of initial value 0.108	0.24	Pass	Tensile Strength at Break-Ultraviolet exposed
ASTM D638	>90% of Initial Value 48.32	51.54	Pass	Recovery Performance-Heat Aged
ASTM D638	>90% of Initial Value 48.32	53.19	Pass	Recovery Performance-Chemically Aged (NaOH)
ASTM D638	>90% of Initial Value 48.32	48.74	Pass	Recovery Performance-Chemically Aged (Acetic acid)
ASTM D638	>90% of Initial Value 48.32	49.09	Pass	Recovery Performance-Ultraviolet Exposed
UL	Class A	Class A	Pass	UL Testing Roofing Assembly

Required Thickness (cured membranes)		Coverage		
Mils	MM	Sq.ft./gal	M2/gal	m / litre
40	1.02	30	2.79	0.74
60	1.53	20	1.86	0.49
80	2.04	15	1.39	0.37
100	2.55	12	1.11	0.29
120	3.06	10	0.92	0.24
140	3.55	8.5	0.78	0.21
160	4.08	7.5	0.69	0.18
180	4.59	6.6	0.61	0.16
200	5.1	6.0	0.55	0.15

PRECAUTIONS

This is a Commercial and Industrial Product. Not for use by Untrained Personnel

WARRANTY DISCLAIMER

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