SUSTAINABLE, DEPENDABLE, DURABLE.

WALL SYSTEMS

SOPREMA®

SOPREMA offers a comprehensive line of roofing, waterproofing, wall protection and civil engineering solutions combining superior products and systems with decades of proven performance. Our solutions include industry leading SBS-modified bitumen membranes, polymeric PMMA/PMA liquid applied membranes and synthetic single ply PVC membranes. For applications as diverse as roofing, below grade waterproofing, plaza deck and balcony waterproofing, air and vapor barriers and bridge and parking structures, SOPREMA has the solution. SOPREMA's relentless pursuit of technological advancement, sustainability and product quality has been known and respected around the world for over 100 years.

SOPREMA Manufacturing Facility and Training Center — Gulfport, Mississippi


SOPREMA
sopraSEAL


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WALL SYSTEMS

SOPREMA carries a full line of air and vapor barriers designed to control the movement of air into and out of a building. Wall systems protect buildings and their interiors by keeping out unwanted moisture with the use of air and vapor barriers. With the proper product selection and installation method air and vapor barriers are designed to aid in energy savings, minimize air leakage, ensure structural durability and are a vital element in the building enclosure.

Understanding the importance of air and vapor barriers is a crucial step in the building design process. Any moisture that breaches the interior of the building cannot only cause structural instability, but it can decrease the air quality levels with mold growth, potentially affecting the health of building occupants. Taking this into account prior to the installation phase can prevent costly modifications in the future.

SOPREMA's SOPRASEAL® product line offers vapor permeable and non-permeable solutions with application methods ranging from liquid applied and self-adhered to mechanically fastened, SOPREMA has a product to meet any job requirement. Complementary accessory products designed specifically for compatibility with these membranes provide a perfectly sealed wall assembly, ensuring a moisture free building. SOPREMA's wall system products hold the same quality and durability as expected with all SOPREMA technologies.

WHY IS THERE A NEED FOR AIR BARRIERS?

Air barrier systems are the components of the building enclosure that control the movement of air into and out of a building. They allow wall assemblies to breathe and reduce risk of structural damage and high energy costs.

Selecting the proper air barrier system can lower energy costs, decrease the risk of mold, and other deterioration that may be caused due to moisture infiltration. Air barriers are a vital piece in the continuity of the building enclosure.

AIR AND VAPOR BARRIERS

HOW THEY WORK

When the indoor temperature is higher than the outside air, moisture will flow from the inside out and vice versa. Always keep in mind that water vapor will move from the warm side of the assembly to the cold side. If a wall system does not have an air or vapor barrier, moisture will infiltrate the assembly. With a properly designed and installed air or vapor barrier added to the assembly, moisture will be deterred from penetrating the wall.

PERMEABLE VS NON-PERMEABLE

PERMEABLE

- Offers good protection against air leaks and water infiltration
- Allows the diffusion of water vapor
- Is not considered a vapor barrier

NON-PERMEABLE

- Resists air leaks, water infiltration and the diffusion of water vapor
- Must always be set on the warm side of the insulation
- Is considered a vapor barrier

Both permeable and non-permeable air barriers control the movement of water vapor into the building enclosure and reduce the effects of condensation.

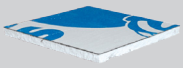
Holiday Inn Express
Medina, Ohio

VARIETY OF OPTIONS

- Liquid applied - one-component spray applied permeable or non-permeable solutions. Liquid air barriers offer an easy application that creates a monolithic membrane creating a continuous air barrier throughout the entire wall system.
- Sheets - self-adhered air barrier membranes that are offered in both permeable and non-permeable solutions. Sheet air barriers are designed for self-adhesion and provide an easy, fast and economical installation method.
- Laminated boards - exterior grade, inorganic faced gypsum boards with an air and vapor barrier factory-laminated to the exterior surface. Laminated boards are ideal for projects with tight deadlines due to the decrease in number of installation steps.

SOPREMA PRODUCT OFFERING

AIR BARRIERS

	SOPRASEAL® STICK 1100T – A non-permeable, self-adhered membrane composed of a proprietary high quality elastomeric styrene-butadiene-styrene (SBS) polymer-modified bitumen blend and a woven polyethylene composite facer.
	SOPRASEAL® STICK VP – A vapor permeable, self-adhered membrane composed of a tri-laminate polypropylene composite facer coated with a high tack self-adhesive backing protected by a release film.
	SOPRASOLIN HD – A multi-purpose self-adhered membrane composed of a proprietary high quality elastomeric styrene-butadiene-styrene (SBS) polymer-modified bitumen with a specially blended self-adhered bitumen underside layer.
	SOPRASEAL XPRESS G – A factory-laminated air and vapor barrier with a proprietary high quality elastomeric styrene-butadiene-styrene (SBS) adhesive onto the exterior grade, inorganic faced gypsum board.
	SOPRASEAL LM 202 VP – A vapor permeable, liquid applied air barrier formulated with modified rubber for enhanced performance. SOPRASEAL LM 202 VP is water-based and ultra-low VOC and is used to provide moisture protection behind wall cladding including masonry, siding, metal panels, and EIFS.
	SOPRASEAL LM 203 – A non-permeable, liquid applied air/vapor barrier formulated with modified rubber for enhanced performance. SOPRASEAL LM 203 is water-based and ultra-low VOC and is used to provide moisture protection behind wall cladding including masonry, siding, metal panels, and EIFS.
	SOPRASEAL LM 204 VP – A vapor permeable, low-odor liquid applied air barrier comprising polyether technology. Polyether provides for excellent low and high temperature applications combined with superior elastomeric performance and tie-in compatibility. SOPRASEAL LM 204 is ultra-low VOC and ultra-high solids, yielding virtually no dry-down shrinkage resulting in fast, single-pass applications to achieve to the desired dry film thickness (DFT).

ACCESSORIES

ELASTOCOL® STICK – A fast-drying primer that aids in adhesion for self-adhered products.

ELASTOCOL STICK H2O – A water based polymer emulsion primer that aids in adhesion for self-adhered products.

ELASTOCOL STICK ZERO – A primer composed of synthetic polymers and solvents that aids in the adhesion for self-adhered products.

SOPRAMASTIC® ELASTIC CEMENT – A modified bitumen mastic composed of a proprietary formulation of elastomeric modified bitumen and solvents.

SOPRASEAL XPRESS G SCREWS – Fasteners that are specifically designed for the installation of SOPRASEAL Xpress G.

SOPRASEAL LIQUID FLASHING – A liquid applied, low odor elastomeric polyether membrane designed to provide air and water protection to critical openings while sealing joints to create a seamless transition to the air barrier membrane.

SOPRASEAL LT ADDITIVE – A liquid additive that mixes with SOPRASEAL LM 202 VP or SOPRASEAL LM 203 liquid membranes for an application at temperatures as low as 25°F (-4°C).

SOPRASEAL SEALANT – A fast-setting, moisture curing, low VOC, solvent-free, polyether adhesive-sealant.

SOPRASEAL MESH – A reinforced non-woven polyester fabric design to install at joints, openings and details.

SOPRASEAL AND NFPA 285

The National Fire Protection Association (NFPA) is a nonprofit organization dedicated to eliminating fire and electrical hazards. Wall assemblies are tested according to the NFPA 285: Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load Bearing Wall Assemblies Containing Combustible Components. It is designed to assist consumers in identifying wall assemblies that limit the spread of fire in multistory buildings and reduce the potential for fire damage.

When testing an assembly, a full scale multistory wall assembly is built to ensure an accurate depiction of how a fire would react. Once the assembly is burning, the fire spread is monitored both vertically and horizontally for 30 minutes. For a wall assembly to pass, it must show minimal fire damage once the testing timeframe has ended. SOPREMA is NFPA 285 compliant in multiple wall assemblies. See SOPRASEAL product data sheets at www.soprema.us for details.

RELIABILITY

Multiple SOPRASEAL products have been Air Barrier Association of America (ABAA) evaluated and have earned listings. The listings include ASTM E2178: Standard Test Method for Air Permeance of Building Materials and ASTM E2357: Standard Test Method of Determining Air Leakage of Air Barrier Assemblies. ABAA created an entirely new listing category called Factory Bonded Membranes to Sheathing for the SOPRASEAL Xpress G system. These ABAA standards help to recognize the high quality of SOPREMA's SOPRASEAL wall system products.

COMMITMENT TO QUALITY

Since 1908, SOPREMA has developed around the idea that the quality, durability and reliability of materials must match contractors' and designers' ambitions and expectations. Over the years, SOPREMA has been using its expertise to develop a variety of high-end products that measure up to the requirements of the construction field.

Our commitment to excellence in quality, environmental stewardship and safety is verified by our ISO 9001, 14001, and 18001 certifications. Additionally, on a global basis, the company operates a worldwide standardization process meaning you get the same quality product at any SOPREMA location. Our Quality Compliance Certificate program allows product data to be pulled straight from the manufacturing line to ensure consistency every time. Simply put, with SOPREMA, consistency is built into our processes every day, everywhere.

SOPREMA® IN NUMBERS

INTERNATIONAL

ONE HEAD OFFICE IN STRASBOURG, FRANCE

OVER **4,000** DISTRIBUTORS

MORE THAN **6,250** EMPLOYEES WORLDWIDE

19 TRAINING CENTERS IN FIVE COUNTRIES

8 RESEARCH CENTERS

OVER 90 COUNTRIES SERVED

40 PRODUCTION PLANTS WORLDWIDE

NORTH AMERICA

5 SALES REGIONS IN THE UNITED STATES

11 SALES OFFICES IN CANADA

MORE THAN **100** SALES AND TECHNICAL REPRESENTATIVES IN THE UNITED STATES

ONE US HEADQUARTERS IN WADSWORTH, OHIO

13 TRAINING CENTERS IN NORTH AMERICA

3 RESEARCH CENTERS

SOPREMA®

*Refer to soprema.us for most up to date information.

ROOFING WATERPROOFING WALLS CIVIL ENGINEERING

SOPREMA is an international manufacturer specializing in the production of waterproofing and insulation products, as well as vegetative and soundproofing solutions, for the building and civil engineering sectors.

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