

SARANEX® 520 CX Vapor Retarder Tape is composed of durable, flexible polyvinylidene chloride (PVDC) coated with a pressure sensitive acrylic adhesive designed for effective and long-lasting adhesion to a variety of substrates. Designed specifically to protect the insulation system from moisture intrusion and energy loss, SARANEX 520 CX Tape conforms easily to fittings, elbows and joints, creating a tight, water-resistant seal. A permeance rating of 0.03 perms meets standard industry requirements for vapor retarders in cold service.

APPLICATIONS

SARANEX 520 CX Vapor Retarder Tape is used to wrap elbows and fittings in many high-moisture environments over a wide temperature range. The high-performance tape is also used to seal butt joints and seams in the vapor retarder system.

Typical applications for SARANEX 520 CX Tape includes:

- Food and beverage facilities
- Chilled water piping and HVAC systems
- Transport pipelines
- Chemical condensation tanks
- Cold storage systems
- Refrigerated transport
- Pharmaceutical plants
- Petrochemical plants

JM can provide general guidelines and recommendations on many typical applications for SARANEX 520 CX Vapor Retarder Tape. Call 1-800-231- 1024 or contact your local JM representative for details.

SIZE

SARANEX 520 CX Vapor Retarder Tape is sold in rolls

Length: 50 yards (46 m)

Width: 1" (2.5cm), 2" (5 cm), 3" (7.5 cm)

PHYSICAL PROPERTIES

SARANEX 520 CX Vapor Retarder Tape exhibits the properties and characteristics indicated in Table 1 when tested as represented. Consultation with local code officials or design engineers/ specifiers is recommended before application.

Physical Properties ⁽¹⁾ of SARANEX 520 CX Vapor Retarder Tape	
Property & Test Method	Value
Permeance ⁽²⁾ , ASTM E96	0.03 perm
Adhesion to Steel, ASTM D3330	Initial: 40 oz/in After 3 Days @ 72°F: 60
Adhesion to SARANEX Film, ASTM D3330	Initial: 60 After 3 Days @ 72°F: 65
Backing Thickness, ASTM D374	2 mils, avg.
Adhesive Thickness, ASTM D3652	1.5 mils, avg.
Tensile Strength, ASTM D3759	20 lb/in ²
Elongation at break, ASTM D3759	120%
Surface Burning Characteristics ⁽³⁾ , ASTM E84	Flame Spread: 0 Smoke Developed: 5
Service Temperature Limits ⁽⁴⁾	-40°F to 250°F -40°C to 121°C
Color	White

⁽¹⁾ data shown are typical values obtained from representative samples. This data may be used as a guide for design purposes but should not be construed as specifications

⁽²⁾ 1 perm = 1 gr/hr/ft²/in•Hg @73°F, 50% R.H.

⁽³⁾ This numerical flame spread data is not intended to reflect hazards presented by this or any other material under actual fire conditions

⁽⁴⁾ Service temperature limits is defined as the temperature to which the jacket or coating may be subjected when applied over insulation. it does not refer to the operating temperature of the equipment, vessel, or pipe (Source: National Insulation Association).

For maximum tape flexibility during installation, it is recommended that SARANEX tape products be installed at ambient temperatures above 24°F (-4°C).

SARANEX® 520 CX
VAPOR RETARDER TAPE**INSTALLATION**

SARANEX 520 CX Vapor Retarder Tape can be installed at ambient temperatures as low as 0°F (-18°C). For maximum tape flexibility during installation, it is recommended that SARANEX Tape products be installed at ambient temperatures above 24°F (-4°C). SARANEX 520 CX Vapor Retarder Tape has service temperature limits of -40°F to 250°F (-40°C to 121°C). The temperature during short term storage or shipping of cases cannot exceed 110°F (43°C). Recommended shelf life is 12 months when stored at 60°F to 80°F (16°C to 32°C) and 50% R.H. Because of the critical technical design aspects of many of the applications of SARANEX 520 CX Vapor Retarder Tape, JM recommends that qualified designers specify the total system. Detailed installation guidelines for SARANEX Vapor Retarder Film and Tape are available at www.JM.com.

AVAILABILITY

SARANEX 520 CX Vapor Retarder Tape is distributed through JM's extensive Authorized Fabricator Network. For more information, call: 1-800-231-1024

TECHNICAL SERVICES

JM can provide technical information to help address questions when using SARANEX 520 CX Vapor Retarder Tape. Technical personnel are available at: 1-800-231-1024

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Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The physical and chemical properties of the product listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Any references to numerical flame spread or smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions. Check with the Regional Sales Office nearest you for current information.

All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions, which includes a Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions or for information on other Johns Manville thermal insulation and systems, visit www.jm.com/terms-conditions or call (800)654-3103.