

# Outdoor Suction Piping Shall Include Class I or Class II Vapor Retarder

*"Insulation used for refrigerant suction lines located outside a condition space, must include a Class I or Class II vapor retarder. The vapor retarder and insulation must be protected from physical damage, UV deterioration, and moisture with a*

**covering that can be removed for equipment maintenance without destroying the insulation."**



Image from: 2019 Compliance Manual



**"Adhesive tape shall not be used to provide this protection."**

-2019 CA Energy Title 24, Part 6



**California Mechanical Code-CMC 1109.8 Visual Inspection**  
Refrigerant pipe joints erected on the premises shall be exposed for visual inspection **prior to being covered or enclosed.**  
[ASHRAE 15.8.9]

## 2019 CA Title 24, Section 120.3 (b) 1, 2

(b) Insulation Protection-Insulation shall be protected from damage, including that due to sunlight, moisture, **equipment maintenance**, and wind, including but not limited to, the following:

1. Pipe insulation exposed to weather shall be protected by a cover suitable for outdoor service. The cover shall be water retardant and provide shielding from solar radiation that can cause degradation of the material. **Adhesive tape shall not be used to provide this protection.**
2. Pipe insulation covering chilled water piping and refrigerant suction piping located outside the conditioned space shall include, or be protected by, a **Class I or Class II vapor retarder.** All penetrations and joints shall be sealed.

### 2017 ASHRAE Handbook

#### Chapter 10. Insulation Systems for Refrigerant Piping Weather Barrier Jacketing

*"The protective jacketing must be installed independently and in addition to any factory-or field-applied vapor retarder."*



Removable!

U.S. Patent #9,091,377 B2

Allows Visual Inspection! CMC 1109.8

90° Elbows



Available 6ft & 75ft MEGA Roll!

## One Cover Meets Both Requirements!

### Class II Vapor Retarding & Removable Protector

- Removable/Reusable Flexible PVC Plastic.
- Protects Insulation & Wire
- Dual-Bonded Velcro Fasteners
- UV, Anti-Fungal and Anti-Microbial Agents
- UV Cable Ties for Long-Term Installation

#### Testing Standards:

- ASTM E-96 Water/Vapor Permeability, Class II
- ASTM G153 Weatherization and UV
- ASTM G21 Anti-Fungal
- ASTM E84/UL 723 Class A material 25/450

Manufactured in California!



MADE IN USA

### Removable Weather & Physical Damage Protection & Vapor Retarding

