

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."



"Adhesive tape should not be used as insulation protection because during preventive maintenance, removal of the tape will damage the integrity of the original insulation."

-2016 Residential Compliance Manual

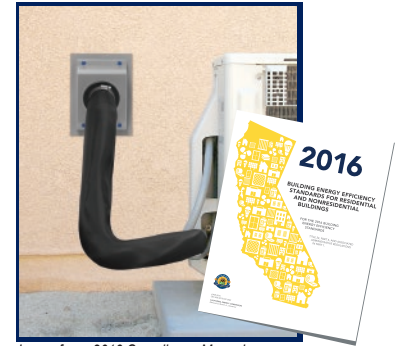


Image from: 2016 Compliance Manual



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]

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. Insulation exposed to weather shall be installed with a cover suitable for outdoor service. The cover shall be water retardant and provides shielding from solar radiation that can cause degradation of the material.
2. Insulation covering chilled water piping and refrigerant suction piping located outside the conditioned space shall have a **Class I or Class II vapor retarder**. All penetrations and joints of which 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."



Available 6ft & 75ft MEGA Roll!



One Cover Meets Both Requirements!

Class II Vapor Retarder & Removable Protector

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

Testing Standards:

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

Removable Weather & Physical Damage Protection & Vapor Retarder

