

SUGGESTED SPECIFICATIONS

ADA Under-Lavatory Insulating Protectors for Accessible Piping

August 1, 2016

Under-Lavatory ADA Insulating/Protectors

Insulate all exposed drainage piping including hot, cold and tempered water supplies under lavatories and sinks per ADA & IBC with **Plumberex: HANDY-SHIELD MAXX™**.

Installed Insulating Protectors shall meet ADA Department of Justice 2010 Accessible Design Standard 606.5, ICC/ANSI A117.1 sec. 606.6, or GSA & DOD's ABA 606.5. Insulating Protectors shall be listed and meet ASTM C1822 Type I, **"Insulating Covers on Accessible Lavatory Piping"**, ASME A112 18.9, and UPC/IAPMO Standard PS 94. Insulation material shall comply with IBC (International Building Code) Flame and Smoke Testing Standard ASTM E 84-07/ UL 723 Class A. Insulation material shall be soft 1/8", non laminated flexible PVC with UV inhibited antimicrobial, antifungal properties, with high gloss color finish matching fixture. Adhesives, and two ply laminated materials are not allowed. ASTM C177 tested "R" value of 0.504 for Thermal resistance and ASTM C518 "K" value of 0.358, Density-21.61 PCF for Thermal Conductivity. One piece fusion molded universal design for multiple P-trap configurations. Exterior surfaces shall be smooth, nonabsorbent with no finger recessed indentations to eliminate dirt and grime and for easy cleaning. Weep hole for sanitary condensation drainage and ventilation at the bottom of J-bend. Insulating Supply riser shall be min.15" in length and flexible for continuous covering of braided flexible water supplies. Dual fastening system consisting of fusion bonded Velcro fastener strips for full slit enclosure and tamper resistant, non-abrasive snap-locking fasteners. **No cable tie fasteners or adhesive mounted Velcro shall be allowed.**

Manufacturer: **Plumberex Specialty Products Inc.** Model: **HANDY-SHIELD MAXX™**

Alternate Specification

Under Lavatory/Sink Insulating protectors:

Insulate all exposed drainage piping including hot, cold and tempered water supplies under lavatories or sinks per ADA Department of Justice 2010 Accessible Design Standard 606.5 with **Plumberex: HANDY-SHIELD MAXX™**

1. Construction: 1/8 inch thick soft, non-laminated flexible PVC with antimicrobial, antifungal and UV resistant properties. Fusion molded one piece universal design for mutable P-trap configurations. Adhesives and two ply laminated materials shall not be allowed. Exterior surfaces shall be smooth and nonabsorbent with no finger recessed indentations for easy cleaning. Supply riser shall be flexible & min.15" in length.
Insulation Material:
 - a. Flame & Smoke: IBC (International Building Code) Testing Standard ASTM E 84-07/ UL 723 Class A Material
 - b. Thermal Resistance a R value of 0.504 or lower when tested by ASTM C177
 - c. Thermal Conductivity a K value of 0.358, Density-21.61pcf per ASTM C518
 - d. Fungi resistance for interior & exterior: ASTM G21- "0" growth
2. Sanitary: Weep hole for condensation drainage and ventilation
3. Fasteners: Reusable, fusion bonded Velcro and tamper resistant snap-locking fasteners with no sharp or abrasive external surfaces. **No cable tie fasteners or adhesive mounted Velcro allowed.**
4. Compliance: Insulating covers shall meet ASTM C1822 Type I, Installed shall comply with ADA 2010 Accessible Design 606.6, & ICC/ANSI A117.1 606.6, ADAAG 606.5, GSA & DOD's ABA 606.5, and ASME A112 18.9, UPC/IAPMO PS 94.
5. Color: High Gloss color to match fixture. Color selected by Architect.
6. Acceptable Insulating protector
 - a. **HANDY-SHIELD MAXX™ by Plumberex Specialty Products Inc.**
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