

**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: TRAP GEAR™**.

Installed Insulating Protectors shall meet ADA Department of Justice 2010 Accessible Design Standard 606.5, ADAAG sec. 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 "Standard Specification for insulating covers on Accessible Piping"**, ASME A112 18.9, 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 inherent, flexible PVC with UV inhibited antimicrobial, antifungal properties, with high gloss color finish matching fixture. Adhesives, sewing threads, 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 and Trim fit design for tubular shall have smooth, nonabsorbent exterior surfaces with no finger recessed indentations for cleaning maintenance. 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 allowed.**

Manufacturer: **Plumberex Specialty Products Inc.** Model: **TRAP GEAR™**

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***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 & IBC with **Plumberex TRAP GEAR™**.

1. Construction: 1/8 inch thick soft, non-laminated flexible PVC with antimicrobial, antifungal and UV resistant properties. Fusion molded one piece design for 1 1/4 tubular. Adhesives, sewing threads and two ply laminated materials shall not be allowed. Supply riser shall be min.15" in length and flexible. Exterior surface shall be smooth with no finger recessed indentations.  
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. Microbial, & Fungal 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 allowed.
4. Compliance: Insulating covers shall meet ASTM C1822 Type I, Installed shall comply with ADA Department of Justice 2010 Accessible Design Standard 606.5, ADAAG 606.5, GSA & DOD's ABA 606.5, ICC/ANSI A117.1 606.6 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. **TRAP GEAR™ by Plumberex Specialty Products Inc.**  
P.O. Box 1684, Palm Springs, CA 92263, (800) 475-8629, www.plumberex.com