**HANDY-SHIELD MAXX**

Maximizes ADA & IBC Standards

PVC Insulation Material Meets ASTM E 84 25/450*

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**PROJECT**

**ITEM #**

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**SUBMITTAL SPEC SHEET**

Insulate per ADA (sec. 4.19.4), ADAAG (sec. 606.5) and ICC/ANSI A117.1 (sec. 606.6) all drainage piping including all hot and cold water Valve and Supplies under lavatories. PVC Insulation Material to comply with IBC (International Building Code) shall meet Testing Standard ASTM E 84-07 with a 25 flame spread/450 smoke index.* Insulate with brand: HANDY-SHIELD MAXX™

Manufacturer: Plumberex Specialty Products Inc.

Insulators to meet and be listed with IPC/IAPMO Property and Material Standard PS 94-2012. With a one-piece design, fusion molded fabrication and pliable for high flexibility requirements. PVC insulator to be 1/8" thick and shall meet Testing Standard ASTM E 84-07 as per IBC. Surfaces to be soft, smooth, non-absorbent, easy to clean U/V inhibited, antimicrobial, antifungal properties. Insulator shall have a dual fastening system which consists of fusion bonded Velcro™ fastener strips for full slit enclosure and tamper resistant, smooth, non-abrasive snap-locking fasteners.

**P-Trap Insulator**

- Shall have a one-piece design with a universal fit for 1 1/4"-1 1/2" brass or plastic traps, a longer neck area (for longer tailpieces) and a more forgiving girth area (for bulkier plastic DWV Schedule #40 plastic P-Traps w/swivel nut) and shall have drainage at lowest point to prevent condensation and/or leakage build up.

**Valve & Supply Insulator**

- Shall have a one-piece design with a universal fit over valve handles and brass, plastic or metal braided supplies and connectors and shall be able to flex-curl to a minimum of 360 degrees with a full slit closure for total compliance.

**Off-Set Insulator**

- Shall have a one-piece design with a universal fit and shall fit inside of P-trap insulator tailpiece area.

**CODES & STANDARDS COMPLIANCE**

- ADA 4.19.4/ABA 606.5 rev.
- ICC/ANSI A117.1 (sec. 606.6)
- IBC (International Building Code)
- UPC/IAPMO PS 94-2012
- Meets new 2015 IPC 404.3 & UPC 403.3 Plumbing Codes
- ASTM C1822-15
- Standard ASME A112.18.9

- Thermal Insulation
  - ASTM E 84-07 (Class A insulation material)
  - 25 Flame Spread/450 Smoke Index*
  - ASTM C-177 Thermal Conductivity 0.028 (K-Value)
  - Thermal Resistance 0.504 (R-Value)
  - ASTM C-518 Thermal Conductivity 0.358 (avg.)
  - Thermal Resistance 0.346 (avg.)
  - Thermal Resistance 2.790 (R”/Per Inch)
  - Density 21.61 (PCF)

**PART NUMBER BY PRODUCT**

- **MODEL # 2003** (3 pc. kit) White
  - 1 P-Trap Insulator
  - 2 Valve & Supply Insulators

- **MODEL # 2004** (4 pc. kit) White
  - 1 P-Trap Cover
  - 1 Wheelchair Offset Strainer Insulator
  - 2 Valve & Supply Insulators

- **MODEL # 3002** (2 pc. kit) White
  - 1 P-Trap Insulator
  - 1 Valve & Supply Insulator

- **MODEL # 3011** White
  - 1 P-Trap Insulator
  - 1 Valve & Supply Insulator

- **MODEL # 3021** White
  - 1 Wheelchair Offset Strainer Insulator

**HANDY-SHIELD MAXX™** color options:

- White
- Almond
- Gray
- Black

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*Tested in accordance with Testing Standard ASTM E 84-07 with a 25 flame spread/450 smoke index (not for Plenum use).

**Velcro is a registered trademark of Velcro USA Inc.**

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