

SECTION 15083

15083 - PIPING SAFETY COVERS

PART GENERAL

SECTION INCLUDES

Piping Safety Covers.

Lavatory Piping Enclosure.

Basin/Sink Piping Enclosure.

RELATED SECTIONS

Section 15082 - Piping Insulation.

Section 15145 - Plumbing Piping.

REFERENCES

ASTM C 177 - Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded-Hot-Plate Apparatus.

ASTM D 635 - Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position.

ASTM D 2240 - Standard Test Method for Rubber Property - Durometer Hardness.

CABO/ANSI A117.1 - American National Standard for Buildings and Facilities - Providing Accessible and Usable Buildings and Facilities.

UL 94 - Test for Flammability of Plastic Materials for Parts in Devices and Appliances.

SYSTEM DESCRIPTION

Design Requirements: Products of this section to conform to the following:

Americans With Disabilities Act (ADA), Article 4.19.4.
CABO/ANSI A117.1.

Requirements of regulating building code.

SUBMITTALS

Submit under provisions of Section 01300.

Product Data: Manufacturer's descriptive literature for products specified in this section.

Shop Drawings: Indicate locations and configurations of piping insulation for indicated plumbing configurations.

Quality Assurance Submittals: Manufacturer's printed installation instructions for each specified product.

DELIVERY, STORAGE, AND HANDLING

Store products of this section in manufacturer's unopened packaging until installation.

PART PRODUCTS

MANUFACTURERS

Acceptable Manufacturer: Truebro, Inc.; 7 Main Street, P.O. Box 440, Ellington CT 06029; ASD. Tel. (800) 340-5969 (outside CT), (860) 875-2868 (inside CT); Fax (860) 872-0300; Email truebro@tiac.net; Internet <http://www.truebro.com>

Requests for substitution will be considered in accordance with provisions of Section 01600.

Substitutions: Not permitted.

PIPING INSULATION

Piping Safety Covers:

Acceptable products: Truebro Lav-Guard.

Characteristics: One-piece vinyl components, minimum 1/8 inch (3 mm) wall thickness, with internal ribs to provide air space between piping and piping insulation jacket, molded to receive manufacturer's snap-clip fasteners.

Vinyl material: Impact-resistant and stain-resistant molded closed-cell anti-microbial vinyl compound, UV-stable, non-fading, non-yellowing: having the following performance

characteristics:

Burning characteristics, when tested in accordance with ASTM D 635: 0 seconds Average Time of Burning (ATB), 0 mm Area of Burning (AEB).

Thermal conductivity, when tested in accordance with ASTM C 177: K-value 1.17 (2.02 metric equivalent).

Indentation hardness, when tested in accordance with ASTM D 2240: 60 Shore A, minimum.

Trap assembly cover: Three-piece assembly, with removable clean-out nut enclosure.

Angle stop covers: Formed with hinged cap for access to valve without requiring cover removal.

Configurations: In accordance with manufacturer's product data for project piping configurations indicated on drawings.

Color: China White, gloss finish; paintable.

Color: Light Gray, gloss finish.

Fasteners: Manufacturer's standard re-usable snap-clip fasteners; wire-tie fasteners not permitted.

LAVATORY PIPING ENCLOSURE

Lavatory Piping Enclosure:

Acceptable product: Truebro Lav-Shield.

Characteristics: One-piece rigid molded vinyl enclosure, minimum 1/8 inch (3 mm) wall thickness, factory-punched for manufacturer's wall fasteners.

Vinyl material: Impact-resistant and stain-resistant molded closed-cell vinyl, having the following performance characteristics:

Burning characteristics, when tested in accordance with ASTM D 635: 0 seconds Average Time of Burning (ATB), 0 mm Area of Burning (AEB).

Flammability: UL 94 V-O rating.

Indentation hardness, when tested in accordance with ASTM D 2240: 69 Shore D, minimum.

Vinyl color: China White, fine-textured finish; paintable.

Fasteners: Manufacturer's standard stainless steel wall fasteners.

Fasteners: Manufacturer's standard stainless steel wall fasteners with tamper-resistant heads.

BASIN/SINK PIPING ENCLOSURE

Basin Piping Enclosure:

Acceptable product: Truebro Basin Guard.

Characteristics: One-piece rigid molded vinyl enclosure, minimum 0.093 inch (2.3 mm) wall thickness, factory-punched flanges for fasteners.

Vinyl material: Impact-resistant and stain-resistant molded closed-cell vinyl, having the following performance characteristics:

Burning characteristics, when tested in accordance with ASTM D 635: 0 seconds Average Time of Burning (ATB), 0 mm Area of Burning (AEB).

Boca Basic Building Code Fire Rating: Class 1.

Indentation hardness, when tested in accordance with ASTM D 2240: 69 Shore D, minimum.

Width: 36 inches (914 mm).

Width: 42 inches (1066 mm).

Color: White, fine-textured finish; paintable.

Color: Beige, fine-textured finish.

Fasteners: Supply non-corroding fasteners; type recommended by manufacturer for indicated project conditions.

Fasteners: Supply non-corroding fasteners with tamper-resistant heads; type recommended by manufacturer for indicated project conditions.

PART EXECUTION

EXAMINATION

Verify the following conditions before installing products of this section: Piping configurations are correct type for piping cover component configurations specified.

INSTALLATION

Install products of this section in accordance with manufacturer's printed installation instructions.

PROTECTION OF INSTALLED PRODUCTS

Do not allow damage to installed products by subsequent construction activities; protect products until Substantial Completion.

END OF SECTION