



ISSUANCE #534

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**TECHNICAL
POLICY AND PROCEDURE NOTICE #2/98**

TO: Distribution

FROM: Satish K. Babbar, R.A.

DATE: February 23, 1998

SUBJECT: 1. **Non-Metallic Faucet Components**
2. **Reinforced Flexible Water Connectors**

Effective: Immediately.

Purpose: To permit the use of (a) non-metallic components within faucets, and (b) non-metallic connectors as part of the *plumbing fixture* and to designate the standards by which the connectors shall be tested prior to acceptance for use in New York City.

References: A. **Building Code of the City of New York:**

Reference Standard RS-16 **Plumbing and Gas Piping:**

- (1) §P100.0 **Definitions - Fixture Supply, Plumbing Fixtures, Water Distribution Piping, Water Outlet, Water Service Piping & Water Supply System.**
- (2) §P102.2 **Standards for Plumbing Materials**
- (3) §P102.4 **Piping System Materials**
- (4) §P102.4(e) **Other Piping Systems and Miscellaneous Materials**

B. **International Association of Plumbing and Mechanical Officials, Material and Property Standard (IAPMO PS):**

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- (1) IAPMO PS 74-95 **REINFORCED FLEXIBLE WATER CONNECTORS**. This standard covers physical and performance requirements for materials, threads, connections, working pressure and impulse life requirements, performance tests and marking & identification;
- (2) IAPMO PS 48-92 **MATERIAL SAFETY DATA VERIFICATION FOR PLUMBING PRODUCTS**. This standard covers the requirements for reporting material safety data and information on toxicity for materials incorporated in faucets, valves, backflow prevention devices and similar devices intended by the manufacturer for potable water uses.

Background: A. The materials for faucets are referred to in Reference Standard RS-16, §P102.4(e)(14) **Miscellaneous**, which states that "*internal and external parts of faucets*, valves, ballcocks, etc. *may be made with plastics* meeting the criteria of this reference standard."

- B.**
- (1) The *water supply system* consists of the *water-service piping*, the *water-distribution piping*, and the necessary connecting pipes, fittings, control valves, and all appurtenances used for conveying water. The *water distribution piping* is the piping that conveys water from the *water service pipe* to the *plumbing fixtures* and other *water outlets*. The *water outlet* is the discharge opening for the water to a fixture.
 - (2) It is the determination of this Department that a *plumbing fixture* may include, as an integral part, an approved flexible connector.

Specifics: A. Internal and External Parts of Faucets.

Non-metallic materials which are an integral part of a faucet may be used in New York City, provided they comply with:

- (1) IAPMO PS 48-92 for toxicity limitations.
The manufacturer shall clearly and visibly note such compliance on the product and in the accompanying specifications for the model being installed.

B. Reinforced Non-metallic Flexible Water Connectors.

- (1) The connectors shall be submitted for evaluation and approval to the Director of Materials and Equipment Acceptance (MEA).
- (2) (a) The connectors shall conform to:
 1. IAPMO PS 74-95 for physical and performance requirements.
 2. IAPMO PS 48-92 for reporting toxicity.

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- (b) The *plumbing fixture* shall have its own control valve.
 - (c) The connectors shall be used only in exposed locations.
 - (d) The connector used shall be of accurate length for a specific installation, and never exceed a length of twenty-four (24) inches.
 - (e) The connector shall be used singularly. Coupling two or more connectors is not permitted.
- (3) **MEA approved connectors may be used anywhere in New York City.**

Faucet/Water Connectors.ppn.wpd

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