CITY OF NEW YORK
DEPARTMENT OF BUILDINGS

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use in accordance with the Report of the Materials and Equipment Acceptance (MEA) Division.

Patricia J. Lancaster, A.I.A., Commissioner

MEA 185-02-E

Report of Material and Equipment Acceptance Division

Manufacturer – Tyco Fire Products, 1550 Valley Center Parkway, Suite 135, Bethlehem, PA 18017.

Trade Name – TFP.

Product – BlazeMaster® CPVC Sprinkler Pipe and Fittings.

Pertinent Code Section(s) – Reference Standard RS 17.

Tests – UL 1821, UL 1285, UL 1713.

Prescribed Test(s) - RS 17-2 Section 3-1.1, 17-2A Section 1-5.2, and 17-2B Section 3-3.2 as follows:

1. Pressure rating
2. Beam strength (hangers)
3. Corrosion (chemical and electrolytic)
4. Resistance to failure when exposed to elevated temperatures
5. Methods of joining (strength, performance, fire hazard)
6. Availability of fittings (for sprinkler outlets and proper routings)
7. Physical characteristics related to integrity during earthquakes
8. Toxicity
9. Combustibility
10. Movement during sprinkler operation (water distribution)

Laboratory – Underwriters Laboratories, Inc.

Test Reports – File Ex 5988, Test Report 00NK47276 dated December 27, 2001 and UL letter dated June 4, 2002.

Description – CPVC Pipe and Fittings for use in sprinkler system piping with a rated pressure of 175 psi intended for use in accordance with the manufacturer's installation and design manual. Tyco TFP-500 solvent cementing system was utilized.

Chlorinated Polyvinyl Chloride (CPVC) pipe and fittings in the following sizes:

Description	Size(s), in.
Pipe (SDR 13.5)	3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3
Cap, Coupling, 90° Elbow, 45° Elbow, Tee, Cross	3/4, 1, 1-1/4, 2
Cap, Coupling	2-1/2, 3
90° Elbow	2-1/2
Reducing Bushing	1 x 3/4;
	1-1/4 x 3/4, 1;
	2 x 3/4, 1, 1-1/4;
	2-1/2 x 1, 1-1/4, 2;
	3 x 2, 2-1/2
Reducing Coupling	1 x 3/4
90° Reducing Elbow	1 x 3/4
Reducing Tee	1 x 1 x 3/4;
	1-1/4 x 1-1/4 x 3/4, 1;
	2 x 2 x 3/4, 1, 1-1/4;
	1 x 3/4 x 3/4;
	1-1/4 x 1 x 3/4, 1, 1-1/4;
	3/4 x 3/4 x 1
Reducing Cross	1 x 1 x 3/4 x 3/4
Sprinkler Adapter (Slip)	3/4 x 1/2;
	1 x 1/2
Sprinkler Adapter (Spigot)	3/4 x 1/2;
	1 x 1/2
Sprinkler Adapter Elbow	3/4 x 1/2;
	1 x 1/2
Sprinkler Adapter Tee	3/4 x 3/4 x 1/2;
	1 x 1 x 1/2, 1;
	1/2 x 1/2 x 1;
	1-1/4 x 1 x 1/2;
	1-1/4 x 1-1/4 x 1/2;
	2 x 2 x1/2
Female Threaded Adapter	3/4, 1, 1-1/4, 2
Grooved Coupling Adapter	1-1/4, 2, 2-1/2

Pursuant to "Promulgation of the Rules relating to Material and Equipment Application Procedures" dated November 5, 1992, the Bureau of Fire Prevention has no objections letter dated August 9, 2002, F.P. Index #0206019.

Recommendation - That the above described Chlorinated Poly Vinyl Chloride (CPVC) pipe and fittings be accepted for use as automatic WET fire sprinklered system components for sprinklered systems used in buildings or building sections classified in occupancy groups J1, J2 and J3 on condition that all uses, locations and installations comply with New York City Building Code, specifically Subchapter 17 and Reference Standard RS17, the New York City Rules Governing the installation of CPVC Sprinkler Pipe and Fittings, the manufacturer's installation requirements, and U.L. Listing requirements.

MARKING:

PIPE

Each length of pipe shall be marked with the following:

1. Listee's name or identifying symbol.
2. Type of pipe "CPVC."
3. Size, pressure rating (175 psi) and temperature rating (150°F.).
4. Standard dimensional ratio (SDR 13.5).
5. Material designation.
7. Date, shift and extruder code of manufacture.

The packaging includes the marking which states "Install Pipe and Fittings in Accordance with Installation Instructions (see instructions inside packaging)." A copy of the installation instructions is provided inside the packaging.

FITTINGS

Each fitting shall be marked with the following:

1. Listee's name or identifying symbol.
2. Size of fitting.
3. Material designation.
4. Year of manufacture.

All shipments and deliveries of such equipment shall be provided with a permanent marking, suitably placed, certifying that the equipment shipped or delivered is equivalent to those tested and accepted for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance August 27, 2002

Examined By Mark Joseph