

ICC-ES PMG Listing

PMG-1018

Reissued: February 1, 2009

This listing is subject to re-examination in one year.www.icc-es.org/pmg | (800) 423-6587 | (562) 699-0543

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CSI: DIVISION 15—MECHANICAL
Section: 15150—Sanitary Waste and Vent Piping
Section: 15220—Process Water and Waste Piping

Product: Spears LabWaste™ CPVC Corrosive Waste Drainage System—For use where acids and concentrations are under the maximums noted in Table 1.

Listee: Spears Manufacturing Company
15853 Olden Street
Sylmar, California 91342
www.spearsmfg.com

Compliance with the following codes:

2006 *International Plumbing Code*® (IPC)
2006 *Uniform Plumbing Code* (UPC)*

**Uniform Plumbing Code* is a copyrighted publication of the International Association of Plumbing and Mechanical Officials, 5001 East Philadelphia Street, Ontario, California 91761.

Compliance with the following standards:

ASTM F 493-04
ASTM D 1784-03, cell classification 23447
ASTM F 1412-01, Schedule 40
NSF 14-2003
LC1007

Identification:

Piping and fittings: LabWaste™ piping and fittings are marked with the Spears Manufacturing Company name or trademark (SPEARS®), CPVC, nominal pipe size in inches, NSF-cw S.E., and either the ICC-ES evaluation report number (ESR-1214), or the ICC-ES PMG listing number (PMG-1018) and/or the ICC-ES PMG listing mark.

Solvent cement: Packages of the Spears® LW-5 CPVC Solvent Cement are marked with the Spears Manufacturing Company address and name or trademark, the designation ASTM F 493, the lot number, NSF—for potable water, and either the ICC-ES evaluation report number (ESR-1214) or ICC-ES PMG listing number (PMG-1018) and/or the ICC-ES PMG listing mark.

Installation:

Installation of the drainage pipe and fittings must comply with the manufacturer's published installation instructions and the IPC.

LabWaste™ fittings must be joined to pipe using Spears® LW-5 CPVC Solvent Cement. Connection between the Spears CPVC piping system and other materials must be made using Spears® LabWaste™ mechanical connection adapters. Materials exposed in plenums must demonstrate a maximum flame-spread index of 25 and a maximum smoke-developed index of 50 when tested in accordance with ASTM E 84.

Models: The Spears LabWaste™ system is supplied in pipe and fitting sizes of 1¹/₂, 2, 3, 4, 6, 8, 10 and 12 inches (38.1, 50.8, 76.2, 101.6, 152.4, 203.4, 254 and 304.8 mm).

Spears® LW-5 CPVC Solvent Cement is a proprietary, blended, one-step solvent cement.

Conditions of Listing:

1. Recognition of the drainage pipe and fitting system testing is limited to the specific chemical wastes at the specific concentrations noted in Table 1.
2. The methods of treatment, neutralization or dilution of the chemical waste transported by the drainage pipe and fittings, when discharging to a sanitary drainage system in accordance with IPC Section 803.2, are outside the scope of this report.
3. Use of the pipe and fittings in plenums or in fire-resistance-rated assemblies is outside the scope of this report. Materials exposed in plenums must demonstrate a maximum flame-spread index of 25 and a maximum smoke-developed index of 50, when tested in accordance with ASTM E 84.

TABLE 1—MAXIMUM CHEMICAL CONCENTRATIONS

ACID	CONCENTRATION
Acetic acid	5%
Acetone	5%
Ammonium hydroxide	10%
Nitric acid	40%
Sodium hydroxide	60%
Sulfuric acid	30%
Hydrochloric acid	20%