SPECIFICATIONS FOR A SPECIAL ENGINEERED (SE) PRODUCT

NSF SE 1495

SE - ABS & PVC Residential Floor Drains

Issue Date: November 10, 2006

1. Scope of Specification:

Testing requirements for ABS and PVC residential floor drains. Currently the ABS and PVC residential floor drains are not covered by the scope of ASME A112.6.3. ASME A112.6.3 standard includes dimensional requirements for the grates for drains that are used in "building structures which are typically other than residential" (ASME A112.6.3, Section 1.1). ABS and PVC Drains intended for use in residential applications will have the grate-free area evaluated against the manufacturer's specified dimensions and shall be covered by this SE document.

2. Referenced Standards:

ASME A112.6.3-2001 Floor and Trench Drains
ASTM D1784 Standard Specification for Rigid Poly(Vinyl Chloride) (PVC) Compounds and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds.
ASTM D3965 Standard Specification for Rigid Acrylonitrile-Butadiene-Styrene (ABS) Materials for Pipe and Fittings

3. Testing Requirements:

Conformance Criteria	Reference Standard	Requirement
Dimensions - Grate	Manufacturer's Specifications	Manufacturer's Specifications
Dimensions - Body	ASME A112.6.3	Section 3.2, 3.3
Top Loading - Classification	ASME A112.6.3	Sections 5.1, 5.2
Material Properties - ABS	ASTM D3965	The cell classification shall be 3-2-2-2-2. The minimum thickness for the mold shall be 5/32 in. (4mm). Inserts for fasteners in plastic drains shall be molded into the plastic material.
Material Properties - PVC	ASTM D1784	The cell classification shall be 12454-B, 12454-C, or 14333-C. The minimum thickness for the mold shall be 5/32 in. (4mm). Inserts for fasteners in plastic drains shall be molded into the plastic material.