

[METRIC]
A-A-3110
February 25, 1997
Superseding
TT-P-1536A
July 8, 1975

COMMERCIAL ITEM DESCRIPTION

PLUMBING FIXTURE SETTING COMPOUND

The General Services Administration has authorized the use of this commercial item description as a replacement for Federal Specification TT-P-1536A for all federal agencies.

1. Scope. This commercial item description covers materials that combine watertight, gas-tight, odor-proof, and vermin-proof properties for plumbing fixtures which are connected to drainage systems.

2. Classification. The compound covered by this commercial item description shall be of the following types, as specified in the contract or order:

- Type I - Non-preformed (bulk)
- Type II - Preformed (molded in a ring.)

3. Salient Characteristics.

3.1. Materials. The Type I compound shall contain calcium carbonate, reinforcement fibers (no asbestos fibers shall be allowed), bodied vegetable oils and hydrocarbon plasticizers. The Type II compound shall contain primarily waxes extended with liquid hydrocarbon fluids. Both types shall be non-volatile and non-asphaltic and shall contain a germicide in a quantity sufficient to prevent the compound from supporting bacterial life.

3.2 Physical properties. When applied on tile or concrete surfaces, the compound shall not rot, harden, shrink, or dry and shall be gas-proof, fume-proof, and water-tight.

3.2.1 Stain change. The compound shall cause no visible stain, on the surface of wood, cabinet laminate, concrete, or ceramic tile, outside the area of application,

3.2.2 Temperature effect.

3.2.2.1 Behavior at 0°C (32°F). Prepare a test piece of the compound 13 mm (1/2 inch) in diameter and 76 mm (3 inches) long. The test piece shall be exposed to a temperature of 0°C (32°F) for 1 hour, then bent quickly over a mandrel 25.4 mm (1-inch) in diameter through an arc of 180° without cracking or breaking.

3.2.2.2 Behavior at 82°C (180°F). Test pieces shall be exposed in air for 1 hour in a well ventilated room, then in an oven at 82°C (180°F) for 5 minutes, then at room temperature for 1 hour, and then examined. The compound shall remain plastic, smooth, and homogenous.

Beneficial comments, recommendations, additions, deletions, clarification, etc., and any data which may improve this document, should be sent to: GSA, Paints and Chemicals Center, 400 15th Street, S.W., Auburn, WA 98001.

3.2.3 Leakage. A piece of 14-mesh wire cloth, bent to form a basin not less than 152 mm (6 inches) deep, shall be thoroughly coated with the compound to a thickness not exceeding 1.6 mm (1/16 inch.) The basin shall be filled with water and observed for 72 hours. The water shall not leak through the compound.

3.3 Condition in container and stability. The Type I compound shall be a smooth, homogenous mixture and shall show no evidence of lumping, putrefaction, nor livering and shall spread easily when applied to vitreous or metal surfaces and shall be capable of being rolled into a ring. The Type II compound shall be a smooth homogenous mixture preformed into a ring of suitable diameter and cross section to insure the proper setting of the plumbing fixture for which it was designed. Type I and Type II compounds, in the original unopened container shall be stable for at least 12 months when stored at a temperature not exceeding 27⁰ C. (80⁰ F.)

4. Product Conformance. The products provided shall meet the salient characteristics of this commercial item description, conform to the producer's own drawings, specifications, standards, and quality assurance practices and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

Preparing Activity:

GSA - FSS