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SUPERSEDING
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COMMERCIAL ITEM DESCRIPTION

RUBBING VARNISH

The General Services Administration has authorized the use of
This commercial item description in lieu of Federal Specification
TT-V-86.

Salient characteristics:

The rubbing varnish shall be a high gloss, clear, air-drying, oleoresinous varnish suitable for brushing on interior wood and metal furniture where a rubbed finish is desired. It shall show no skinning, livering, thickening or gelling as received and after hand stirring shall be uniform and free from sediment and suspended material. The novolatile content shall not be less than 45 percent by weight, the volatile portion shall comply with air pollution regulations and the odor shall be non-offensive.

Color. The color shall not be darker than a No. 12 on the Gardner Color Scale (ASTM D 1544).

Working properties. The varnish shall brush, without pulling, to a smooth uniform film free of streaks, blisters and lapmarks, and be recoatable for 24 hours without lifting, blistering or forming pinholes. It shall be capable of being rubbed with folded cheese cloth, pumice flour and water to a smooth, uniform, low-luster finish.

Viscosity. The viscosity shall be between 1.4 and 2.0 stokes, Gardner Holdt equivalent F to H, at 25° C (ASTM D 1545).

Drying time. The varnish shall dry to touch in 1/2 to 2 hours, dry hard in 8 hours, and be free from after tack after 24 hours (ASTM D 1640).

Drying in a draft. The varnish shall be smooth and uniform after drying in a draft of air (ASTM D 1643, Sections 10-14).

Household chemical resistance. 1/ The varnish shall be unchanged when spotted separately with boiling distilled water, 50 percent ethyl alcohol, vinegar, 5 percent sodium hydroxide, vegetable oil, hot coffee and Cocoa cola, covered for 30 minutes, rinsed with distilled water, and allowed 3 hours to recover (ASTM D 1308).

Adhesion. 1/ No more than 5 percent of the film shall be affected when tape is pulled from the scored film (minimum rating of 4B under ASTM D 3359) method B.

Cold cracking. 1/ The film shall show no cracking after being subjected to six cycles, each consisting of 1 hour at 40° C followed immediately by 1 hour at -20° C, with a recovery period of 16 hours between the third and fourth cycles and 30 minutes after the final cycle.

1/ The test panels shall be prepared in accordance with ASTM D 609 (Method D). Draw down a film which will dry to a thickness of 25 ± 2 um and allow to cure for 5 days at standard conditions before testing.

The issue of each ASTM method in effect on the date of solicitation for bids shall be used.

Certification. The contractor shall certify that the product offered meets the salient characteristics of this description and that the product conforms to the producer's own drawings, specifications, standards, and quality assurance practices and is the same product offered for sale in the commercial marketplace. The Government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

Recovered materials. The manufacturer shall utilize recovered materials to the maximum extent practicable.

Packaging, packing, and marking. The packaging and packing shall be in accordance with normal commercial practice and shall assure acceptance by common carrier and provide product protection against loss and damage during multiple shipments, handling, and storage. The shipping container shall be in compliance with the National Motor Freight Classification and Uniform Freight Classification. Marking shall be as specified in the contract or order.

Note: ASTM standards are available from the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.

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