

BUCKEYE COLISEUM LOW VOC SANDING SEAL MODEL SPECIFICATION

SOLVENT BASED BARE WOOD FLOOR SANDING SEALER

1. SCOPE

The solvent-based wood coating desired under this specification shall be a high quality, single component oil modified urethane (OMU) intended for application to newly installed wooden sports floors or wooden floors that have been completely sanded down.

2. COMPOSITION

This product shall consist of oil modified urethane resins and such non-polymer additives as the manufacturer shall deem necessary to meet the requirements of this specification. It shall not require the use of any post-add crosslinker.

3. CLASSIFICATION

The product covered by this specification shall be of one grade and uniform composition.

4. APPLICABLE SPECIFICATIONS AND STANDARDS

Reference to specifications and standards as stated herein shall be to the latest issued in effect on the date of the bid.

5. CERTIFICATION

At the option of (the buyer), the bidder may be required to submit these reports verifying requirements.

6. EXCEPTIONS

Failure on the part of the bidder to comply with any and all requirements and conditions of this specification may subject his bid to rejection. The intent of this specification is to obtain the suppliers best quality single component solvent-based oil modified urethane wood coating. Thus, the intent of the detailed requirements nonperformance section is only to describe an acceptable product, not to restrict bidding. In all cases, product performance specification exceptions are not permitted. No exceptions to or deviations from the nonperformance specification will be considered unless each exception or deviation is specifically stated by the bidder as an exception, with a statement defining the exception and/or exceptions, and the reason or reasons why this exception will not

prevent the product from performing satisfactorily. If no exception or deviations are shown, the bidder will be required to furnish material exactly as specified herein. The burden of proof of compliance with this specification will be the responsibility of the vendor.

7. DETAILED REQUIREMENTS

A. Performance Specifications

- 7.1 Film Color - The dried film shall be clear and a light amber color and shall not appreciably darken over time.
- 7.2 Film Characteristics - The film produced by this finish shall show no pronounced whiteness or yellowing, shall be a smooth finish, clear, free from powdering, dusting or excessive dirt pickup. The product shall dry to a non-tacky, lustrous finish without buffing or polishing.
- 7.3 Gloss - The 60° specular gloss produced by the product shall be 90, minimum, when tested in accordance with ASTM D 523.
- 7.4 Stability - The product shall remain in the same fluid state as made, and shall show no creaming, gelling, or separation when tested according to ASTM D1791.
- 7.5 Detergent Resistance - Film shall not be removed or blistered, or show appreciable loss of gloss when tested in accordance with ASTM D3207.
- 7.6 Slip Resistance - The floor finish shall be slip resistant, with a static coefficient of friction of not less than 0.50 at 70°F (plus or minus 2°), and 50% relative humidity when tested under ASTM D2047.
- 7.7 Water Spot Resistance - The film shall not be whitened or removed when tested in accordance with ASTM D1793.
- 7.8 Sanding Properties –The coating shall possess good sanding properties and not gum or roll when subjected to sanding.
- 7.9 Hardness – The finish must have a minimum hardness of 25 as determined by ASTM D 2134 (Sward Hardness Rocker).
- 7.10 Abrasion Resistance – The finish must exhibit a weight loss of less than 50mg/100 cycles per ASTM D 4060.

- 7.11 Adhesion – The finish shall achieve a rating of excellent (5B) as determined by ASTM D 3359.
- 7.12 Stain Resistance – In accordance with ASTM D 1308, the finish shall achieve a rating of ‘resistant’ against the following substances: Distilled Water, 1% Spic&Span Solution, Vegetable Oil, Alcohol, Naphtha, Beer (Budweiser), Coca-Cola, and Synthetic Perspiration.
- 7.13 Statutory Requirements - The product must conform to all statutory environmental requirements.
- B. Non Performance
- 7.16 Nonvolatile Matter - Nonvolatile matter shall be not less than 38% ($\pm 1\%$) when tested in accordance with ASTM D2834.
- 7.17 Sediment - The amount of sediment present in the floor finish shall not be more than 0.1% by volume when tested in accordance with ASTM D1290.
- 7.18 Flash Point – The flash point shall be no lower than 105°F as tested by ASTM D 1310.
- 7.19 VOC’s – The finish shall have less than 350 g/L VOC as determined by CARB.
- 7.20 Viscosity – The product shall have a viscosity of not more than 26 seconds when tested in accordance with ASTM D-4212-10.
- 7.21 Product must be certified by the Maple Floor Manufacturers Association.

8. METHODS OF SAMPLING AND INSPECTION

- 8.1 Sampling - At the option of the purchaser, representative samples shall be taken in the presence of the manufacturers agent from deliveries made under this invitation and submitted to tests by the purchaser. Failure of any samples so taken to comply with the specification requirements shall invalidate any purchase contract made under the invitation.

8.2 Inspection - Physical inspection of package, condition, quantity and labeling shall be made at point of delivery by the purchaser.

9. PACKING, LABELING AND MARKING

9.1 Packing for shipment when required, shall be such as to protect the product adequately and permit safe shipment by common carrier at the lowest applicable rate.

9.2 Individual containers shall be labeled showing the name of the manufacturer, brand name, name of product, quantity of contents and complete directions for use.

9.3 Shipping cases or containers shall be marked to show name of supplier, name and address of receiving agency and purchase order number.

9.4 Labels and labeling shall conform to all federal regulatory requirements for goods in interstate commerce and containers shall meet UN requirements and OSHA Hazard Communication Standard 1910.1200 or WHMIS regulations.

9.5 Material Safety Data Sheets will be sent before or with first shipment, and updates will be sent when required.

10. PACKAGING

Packaging shall be in accordance with the supplier's commercial practice. Normally 5-gallon metal containers.

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Supersedes:
SKM

**SPECIFICATIONS FOR
BUCKEYE COLISEUM LOW VOC SANDING SEALER**

1. Total Solids: The solids must be 38% ($\pm 1\%$) when analyzed according to ASTM D2834.
2. Sediment: Sediment shall not exceed 0.1% when tested by ASTM 1290.
3. Flash Point: 105°F as tested by ASTM D 1310.
4. VOC's – The finish shall have less than 350 g/L VOC as determined by CARB.
5. Stability: The product shall remain stable when stored for 30 days at 52°C as tested by ASTM D1791.
6. Static Coefficient of Friction: The dried film shall have a coefficient of friction of not less than 0.5 as tested by ASTM D2047.
7. Hardness: Greater than 25 (Sward Hardness Rocker).
8. 60° Specular Gloss: Minimum of 90 units as tested by ASTM D1455.
9. Product must be certified by the Maple Floor Manufacturers Association.
10. The viscosity shall be 25 +/- 1 seconds (Zahn Cup #2) when tested in accordance with ASTM D-4212-10.

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