

STATE OF NORTH CAROLINA	QUESTIONNAIRE 7930-1A, July 29, 2009
DEPARTMENT OF ADMINISTRATION	NEW
DIVISION OF PURCHASE AND CONTRACT	

Floor Finish – Questionnaire

Complete a separate form for each product.

Manufacturer:	_____
Product Brand & Name:	_____
Product Stock Number or Designation:	_____

Provide a response or test data, as applicable to the following statements.

1. Floor finish offered is compliant to the standard specifications # 7930-1G, dated July 29, 2009.	<input type="checkbox"/> YES <input type="checkbox"/> NO
2. Type 1 water emulsion polish is a metal interlocking polymer and is NOT certified compliant to the GS-40, Green Seal Environmental Standard.	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. Type 2 water emulsion polish without zinc interlocking polymers and is certified compliant to the GS-40, Green Seal Environmental Standard for Industrial and Institutional Floor-Care Products.	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The 60 degrees specular gloss measurement, as defined in ASTM D-1455 shall be greater than 70 gloss units when initially applied as recommended for the product.	<input type="checkbox"/> YES <input type="checkbox"/> NO
5. Floor finish shall have a proven record of performance that finish lasted for at least three years in heavily trafficked areas without stripping. The original application of polish may be top-scrubbed with recoat of the top layer of finish applied on an annual basis.	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. Finish shall be easy to clean using a suitable cleaner, with no damage to the finish or the gloss after cleaning.	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. Finish shall be readily removed using a suitable chemical remover per the manufacturer's instructions. Finish shall not require sanding, screening or excessive agitation for removal.	<input type="checkbox"/> YES <input type="checkbox"/> NO
8. Finish shall be readily removed within 100 cycles of the scrubbing pad of a Gardner straight-line washability machine when employing a commonly available floor finish remover for vinyl composition tile in accordance with the ASTM D1792, Removability Properties Test.	<input type="checkbox"/> YES <input type="checkbox"/> NO
9. Finish offered does not contain over 7% by weight of volatile organic compounds (VOC).	<input type="checkbox"/> YES <input type="checkbox"/> NO
10. The floor finish provides a pH within the range of 7.5 to 9.5 as determined by the method of ASTM E70 as received, without dilution.	<input type="checkbox"/> YES <input type="checkbox"/> NO
11. Drying time (not curing time) does not exceed 60 minutes.	<input type="checkbox"/> YES <input type="checkbox"/> NO
12. Coverage area is a minimum of 2,000 square feet per gallon.	<input type="checkbox"/> YES <input type="checkbox"/> NO
13. Indicate the percentage of non-volatile matter (total solids) as determined by the ASTM D- 2834 with a four (4) hour bake time for the water emulsion finishes.	_____ %
14. Attached is an MSDS sheet and the published product literature for the product offered.	<input type="checkbox"/> YES <input type="checkbox"/> NO
15. An original label, or legible copy of the product label is attached.	<input type="checkbox"/> YES <input type="checkbox"/> NO
16. Attached is a photocopy of an invoice, or other sufficient proof, showing that the product has been shipped to the general public or industry for a minimum period of three (3) years.	<input type="checkbox"/> YES <input type="checkbox"/> NO
17. Attached is verification of the acceptable anti-slip properties of the finish offered per the ASTM D2047 method by providing (1) the UL Listing File No., (2) an acceptable test confirmation from an independent testing laboratory as certified by signature of a company (test laboratory) officer, or (3) a test report from the manufacturer's laboratory certified as truthful, and accurate for the current product formulation by signature of an officer of the manufacturer.	<input type="checkbox"/> YES <input type="checkbox"/> NO

As an officer of this company, I affirm that the information and data provided in the above statements are accurate, truthful, and that no material fact has been omitted for the current formulation of the product offered, to the best of my knowledge.

Signature of an <u>Officer of the Product Manufacturer:</u>	_____
Print Name from the above signature:	_____
Title of Signer:	_____
Date:	_____

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Floor Finish Remover (Stripper) – Questionnaire

Complete a separate form for each product.

Manufacturer:	_____
Product Brand & Name:	_____
Product Stock Number or Designation:	_____
Product Type:	<input type="checkbox"/> Type 1 - Remover shall remove all water emulsion metal interlocking polymer floor finish. <input type="checkbox"/> Type 2 – Remover shall remove all wax and polymer finishes and shall be certified compliant to the GS-40, Green Seal Environmental Standard for Industrial and Institutional Floor-Care Products. <input type="checkbox"/> Type 3 - Linoleum and rubber safe finish remover for water emulsion acrylic polymer floor finishes.

Provide a response or test data, as applicable to the following statements.

1. Floor finish remover offered is compliant to the standard specifications # 7930-1G, dated July 29, 2009.	<input type="checkbox"/> YES <input type="checkbox"/> NO
2. Type 1 remover offered will remove all water emulsion metal interlocking polymer floor finish without ammonia and <u>is not certified compliant</u> to the GS-40, Green Seal Environmental Standard.	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. What is the recommended dilution rate for the Type 1 finish removers to remove a heavy build up, for a minimum of <u>ten layers plus</u> of cured build up of metal interlock polymer finishes. The dilution should be the most concentrated dilution recommended on the product label.	dilution rate
4. What is the recommended dilution rate for the Type 1 finish removers to remove a heavy build up, for a minimum of <u>twenty layers plus</u> of cured build up of metal interlock polymer finishes. The dilution should be the most concentrated dilution recommended on the product label.	dilution rate
5. Type 2 remover offered will remove all wax and polymer finishes without ammonia and <u>certified compliant</u> to the GS-40, Green Seal Environmental Standard for Industrial and Institutional Floor-Care Products.	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. Type 3 remover offered is marked on the product label for removal of wax and water emulsion acrylic polymer floor finishes as applied on linoleum and rubber flooring.	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. The compound is a homogeneous free flowing liquid readily soluble in water. Upon application at 60 degrees F, and forms a uniform layer or sheet of liquid.	<input type="checkbox"/> YES <input type="checkbox"/> NO
8. The compound is suitable of dilution with hard or soft water to completely remove all old polymer emulsion finishes from the floor after standing for ten (10) minutes followed by scrubbing with a floor machine.	<input type="checkbox"/> YES <input type="checkbox"/> NO
9. The remover is suitable for use with conventional or automatic machine stripping methods.	<input type="checkbox"/> YES <input type="checkbox"/> NO
10. Floor finish remover shall have a proven record of performance that finish stripper turned old floor finish white within 10 minutes with the old finish becoming totally liquefied with mechanical action. After the mechanical action, 100% of floor finish shall be readily removed with a water vacuum squeegee.	<input type="checkbox"/> YES <input type="checkbox"/> NO
11. Finish remover shall readily remove common commercially available metal interlocking polymer floor finish applied to vinyl composition tile within 100 cycles of the scrubbing pad of a Gardner straight-line washability machine in accordance with the ASTM D1792, Standard Method For the Long Term Removability Properties Of Emulsion Floor Polishes.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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Floor Finish Remover (Stripper) – Questionnaire continued	
12. The floor surfaces as specified for the product requested shall not soften, swell, blister, crack, pit, by the solvent action or color change after the polish has been removed with the remover standing on the tiles for four hours at room temperature (22-25 degrees C).	<input type="checkbox"/> YES <input type="checkbox"/> NO
13. The floor finish stripper will not deteriorate the floor surface or the adhesive securing the tile floor in place.	<input type="checkbox"/> YES <input type="checkbox"/> NO
14. The remover rinses from the floor completely with hot or cold water, with the floor drying free of white residue.	<input type="checkbox"/> YES <input type="checkbox"/> NO
15. The floor finish remover contains a maximum of 12% non-aerosol volatile organic compounds (VOC) content by weight when diluted for the removal of heavy finish buildup and a maximum of 3% non-aerosol VOC content by weight when diluted for the removal of light to medium finish buildup using the recommended dilution as specified by the manufacturer, for whichever condition is required for the identical product.	<input type="checkbox"/> YES <input type="checkbox"/> NO
16. The following ingredients are not included in the floor finish removers offered. <i>Ethylene glycol ethyl ether (EGEE; 2-ethoxyethanol), CAS Registry Number 110-80-5</i> <i>Ethylene glycol ethyl ether acetate (EGEEA; 2-ethoxyethanol acetate), CAS Registry # 111-15-9</i> <i>Ethylene glycol methyl ether (EGME; 2-methoxyethanol), CAS Registry Number 109-86-4</i> <i>Ethylene glycol methyl ether acetate (EGMEA; 2-methoxyethanol acetate), CAS Registry # 110-49-6</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
17. The following ingredient is not included in the floor finish removers offered. <i>2-Butoxyethanol or ethylene glycol monobutyl ether, CAS Registry Number 111-76-2</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
18. For the finish remover offered, indicate the maximum pH as determined per the method of ASTM E70 as received, without dilution .	_____ pH
19. Attached is an MSDS sheet and published product literature for the product offered.	<input type="checkbox"/> YES <input type="checkbox"/> NO
20. An original label, or legible copy of the product label is attached.	<input type="checkbox"/> YES <input type="checkbox"/> NO
21. Attached is a photocopy of an invoice, or other sufficient proof, showing that the product has been shipped to the general public or industry for a minimum period of three (3) years.	<input type="checkbox"/> YES <input type="checkbox"/> NO
As an officer of this company, I affirm that the information and data provided in the above statements are accurate, truthful, and consistent with internal test data obtained from the current production of the product submitted, to the best of my knowledge.	
Signature of an <u>Officer of the Product Manufacturer</u>:	_____
Print Name from the above signature:	_____
Title of Signer:	_____
Date:	_____

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Gym Wood Floor Varnish – Questionnaire

Complete a separate form for each product.

Manufacturer:	_____
Product Name:	_____
Product Part Number or Designation:	_____
Product Type:	<input type="checkbox"/> Types 1 and 2 - Air cured polyurethane type. <input type="checkbox"/> Types 3 and 4 - Water emulsion systems, may be ready to use or two part system with a cross linking catalyst.

Provide a response or test data, as applicable to the following statements.

1. Varnish or finish system offered is compliant to the standard specifications # 7930-1G dated July 29, 2009.	<input type="checkbox"/> YES <input type="checkbox"/> NO
2. Types 1 and 2, air cured polyurethane varnish offered provides a minimum of 400 square feet of coverage per gallon.	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. Types 3 and 4, water based varnish systems offered provides a minimum of 500 square feet of coverage per gallon.	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. Manufacturer's recommended recoat time shall not exceed 24 hours, except one coat high solids formulations may recommend recoat time not exceeding 48 hours.	<input type="checkbox"/> YES <input type="checkbox"/> NO
5. Manufacturer's recommended cure time before the finished surface is exposed to normal use shall not exceed 7 days.	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. If no drying time and/or recoat time is specified, the recoat time shall be assumed to be 18 hours and the normal use time shall be 7 days.	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. All bubbles shall burst within 5 minutes of application and flow out to a smooth surface.	<input type="checkbox"/> YES <input type="checkbox"/> NO
8. Once the surface has been properly prepared and the coating has been applied and cured according to the manufacturer's label directions, the finish shall not crack, check, alligator, or peel under normal use and it shall show minimal marring or scratching.	<input type="checkbox"/> YES <input type="checkbox"/> NO
9. The manufacturer's product literature shall indicate the degree of amber cast that may be expected after the finish is cured and during the life of the wood floor varnish or finish.	<input type="checkbox"/> YES <input type="checkbox"/> NO
11. The specular gloss is greater than 80 units when initially applied in accordance with the product instructions to the floor, as defined in ASTM D-1455.	<input type="checkbox"/> YES <input type="checkbox"/> NO
12. Type 1 products have a maximum of 450 grams per liter volatile organic compounds (VOC's).	<input type="checkbox"/> YES <input type="checkbox"/> NO
13. Type 2 products have a maximum of 350 grams per liter VOC's.	<input type="checkbox"/> YES <input type="checkbox"/> NO
14. Type 3 and type 4 products have a maximum of 200 grams per liter VOC's.	<input type="checkbox"/> YES <input type="checkbox"/> NO
15. Product offered is ready to use system.	<input type="checkbox"/> YES <input type="checkbox"/> NO
16. Product offered is a complete two part system with a maximum of 10 ounces of the cross linking catalyst to be added before use.	<input type="checkbox"/> YES <input type="checkbox"/> NO
17. Product offered cures to an amber cast of colored finish, if specified in the Invitation Bids.	<input type="checkbox"/> YES <input type="checkbox"/> NO
18. Product offered cures to a clear finish, without tint, if specified in the Invitation For Bids.	<input type="checkbox"/> YES <input type="checkbox"/> NO
19. For a Type 1 and type 2 varnish, indicate the percentage of non-volatile matter (total solids) as determined by the ASTM D- 2834 with a sixteen (16) hour bake time.	_____ %
20. For a Type 3 and type 4 system, indicate the percentage of non-volatile matter (total solids) as determined by the ASTM D- 2834 with a four (4) hour bake time.	_____ %

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Gym Wood Floor Varnish – Questionnaire continued	
21 A MSDS sheet and published product literature is attached.	<input type="checkbox"/> YES <input type="checkbox"/> NO
22. An original label, or legible copy of the product for each product is attached.	<input type="checkbox"/> YES <input type="checkbox"/> NO
23. A photocopy of an invoice, or other sufficient proof, showing that the product has been shipped to the general public or industry for a minimum period of three (3) years is attached.	<input type="checkbox"/> YES <input type="checkbox"/> NO
24. Attached is verification of the acceptable anti-slip properties of the floor finish offered as defined in ASTM D-2047 by providing the UL Listing File No. or a test report from another laboratory certified as truthful and accurate to the current product formulation by signature of an officer of the manufacturer.	<input type="checkbox"/> YES <input type="checkbox"/> NO
25. Category C, Type 1 and Type 2 varnishes are certified by the Maple Flooring Manufacturers Association, (MFMA) for the category of Group 3, Surface Finishes. Ref.: http://www.maplefloor.org/literature/finishlist.htm#GROUP3	<input type="checkbox"/> YES <input type="checkbox"/> NO
26. Category C, Type 3 and Type 4 water-based systems are certified by the Maple Flooring Manufacturers Association, (MFMA) for the category of Group 5, Water-Based Finishes. Ref.: http://www.maplefloor.org/literature/finishlist.htm#GROUP5	<input type="checkbox"/> YES <input type="checkbox"/> NO
As an officer of this company, I affirm that the information and data provided in the above statements are accurate, truthful, and consistent with internal test data obtained from the current production of the product submitted, to the best of my knowledge.	
<u>Signature of an Officer of the Product Manufacturer:</u>	
Print Name from the above signature:	_____
Title of Signer:	_____
Date:	_____