



STATE OF IDAHO  
DEPARTMENT OF  
ENVIRONMENTAL QUALITY

1410 North Hilton • Boise, Idaho 83708-1255 • (208) 373-0502

Dirk Kempthorne, Governor  
Toni Hardesty, Director

August 20, 2004

**Certified Mail No. 7000 1670 0013 8128 4712**

Mr. Dan A. Niemeier  
Pre-Cote Industries  
2929 Wise Way  
Boise ID 83702

RE: Facility ID No. 001-00197, Pre-Cote Industries, Boise  
Final Permit Letter, Permit No. P-040022

Dear Mr. Niemeier:

The Idaho Department of Environmental Quality (DEQ) is issuing Permit to Construct (PTC) Number P-040022 which modifies PTC No. P-030036 issued June 3, 2004 for Pre-Cote Industries in Boise in accordance with IDAPA 58.01.01.200 through 228 (*Rules for the Control of Air Pollution in Idaho*). This permit is effective immediately and is based on your request to modify the permit received on July 19, 2004.

This permit does not release Pre-Cote Industries from compliance with all other applicable federal, state, or local laws, regulations, permits, or ordinances.

DEQ is not scheduling a meeting with Pre-Cote Industries to discuss the terms and requirements of the modified permit. However, if Pre-Cote Industries would like to discuss the terms and requirements of this permit, please contact Tom Krinke of DEQ's Boise Regional Office at (208) 373-0550 to schedule a meeting. Should a meeting take place, DEQ recommends the following representatives attend the meeting: your plant manager, your responsible official, environmental contact, and any operations staff responsible for day-to-day compliance with the permit conditions.

Pursuant to IDAPA 58.01.23, you, as well as any other entity, may have the right to appeal this final agency action within 35 days of the date of this decision. However, prior to filing a petition for a contested case, I encourage you to call Bill Rogers at (208) 373-0502 to address any questions or concerns you may have with the enclosed permit.

Sincerely,

A handwritten signature in black ink, appearing to read "Martin Bauer" with a stylized flourish at the end.

Martin Bauer, Administrator  
Air Quality Division

MB/CZ/sd  
Enclosures

Permit No. P-040022



**Air Quality**  
**PERMIT TO CONSTRUCT**  
 State of Idaho  
 Department of Environmental Quality

**PERMIT No.:** P-040022  
**FACILITY ID No.:** 001-00197  
**AQCR:** 63                      **CLASS:** SM  
**SIC:** 2491                      **ZONE:** 11  
**UTM COORDINATES (km):** 703.6, 4731.1

**1. PERMITTEE**

Pre-Cote Ind., Inc.

**2. PROJECT**

Olympic Flood Coating Machine

**3. MAILING ADDRESS**

2929 Wise Way

**CITY**

Boise

**STATE**

ID

**ZIP**

83702

**4. FACILITY CONTACT**

Dan A. Niemeier

**TITLE**

Owner

**TELEPHONE**

(208) 336-4660

**5. RESPONSIBLE OFFICIAL**

Dan A. Niemeier

**TITLE**

Owner

**TELEPHONE**

(208) 366-4660

**6. EXACT PLANT LOCATION**

2929 Wise Way

**COUNTY**

Ada

**7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS**

Pre-stain various types of wood products

**8. GENERAL CONDITIONS**

This permit is issued according to IDAPA 58.01.01.200, *Rules for the Control of Air Pollution in Idaho*, and pertains only to emissions of air contaminants regulated by the State of Idaho and to the sources specifically allowed to be constructed by this permit.

This permit (a) does not affect the title of the premises upon which the equipment is to be located; (b) does not release the permittee from any liability for any loss due to damage to person or property caused by, resulting from, or arising out of the design, installation, maintenance, or operation of the proposed equipment; (c) does not release the permittee from compliance with other applicable federal, state, tribal, or local laws, regulations, or ordinances; (d) in no manner implies or suggests that the Department of Environmental Quality (DEQ) or its officers, agents, or employees, assume any liability, directly or indirectly, for any loss due to damage to person or property caused by, resulting from, or arising out of design, installation, maintenance, or operation of the proposed equipment.

This permit is not transferable to another person, place, or piece or set of equipment. This permit will expire if construction has not begun within two years of its issue date or if construction is suspended for one year.

This permit has been granted on the basis of design information presented with its application. Changes of design or equipment may require DEQ approval pursuant to IDAPA 58.01.01.200, et seq.

**TONI HARDESTY, DIRECTOR,  
 DEPARTMENT OF ENVIRONMENTAL QUALITY**

**DATE ISSUED:** August 20, 2004

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## Acronyms, Units, And Chemical Nomenclature

AAC <sub>n</sub>	acceptable ambient concentration for noncarcinogenic TAPs for TAP <sub>n</sub>
AACC <sub>n</sub>	acceptable ambient concentration for carcinogenic TAPs for TAP <sub>n</sub>
acfm	actual cubic feet per minute
AQCR	Air Quality Control Region
CL	the allowable non-materials inventory list coating application rate limit for the proposed coating, in gallons per day
$\rho$	density of the proposed non-materials inventory list coating, in pounds per gallon
DEQ	Department of Environmental Quality
gal/day	gallons per day
gal/hr	gallons per hour
gal/mo	gallons per month
gal/yr	gallons per year
E <sub>n</sub>	the allowable daily TAP emissions limit for TAP <sub>n</sub> , in pounds per day
i <sub>n</sub>	fractional weight percent (weight percent divided by 100) of TAP <sub>n</sub>
HAPs	hazardous air pollutants
hr/day	hours per day
IDAPA	a numbering designation for all administrative rules in Idaho promulgated in accordance with the Idaho Administrative Procedures Act
km	kilometer
lb/day	pounds per day
lb/gal	pounds per gallon
lb/hr	pounds per hour
PTC	permit to construct
SIC	Standard Industrial Classification
SM	synthetic minor
TAPs	toxic air pollutants
T/yr	tons per year
UTM	Universal Transverse Mercator
$\mu\text{g}/\text{mg}$	micrograms per milligram
$\mu\text{g}/\text{m}^3$	micrograms per meter cubed
VOC	volatile organic compound

**AIR QUALITY PERMIT TO CONSTRUCT No. P-040022**

<b>Permittee:</b>	Pre-Cote Ind., Inc.	<b>Facility ID No.</b> 001-00197	<b>Date Issued:</b>	August 20, 2004
<b>Location:</b>	Boise, Idaho			

**1. PERMIT TO CONSTRUCT SCOPE*****Purpose***

This permit to construct (PTC) is issued to incorporate administrative corrections to the previous permit, PTC No. P-030036.

***Regulated Sources***

Table 1.1 lists all sources of emissions that are regulated in this PTC.

**Table 1.1 REGULATED EMISSIONS SOURCES**

<b>Permit Sections</b>	<b>Source Description</b>	<b>Emissions Control(s)</b>
2	Olympic flood coating machine	None

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**2. OLYMPIC FLOOD COATING MACHINE**

**2.1 Process Description**

The Olympic flood coating machine applies paints and stains to various sizes of uncoated wood materials. The wood materials are not produced by Pre-Cote. The flood coating machine has three coating heads that discharge a small, fan-shaped "curtain" of coating that coat pieces of wood that are conveyed through the coating machine. This process is not a spray coating process.

Emissions from the Olympic flood coating machine are exhausted vertically through the facility's warehouse roof. The exhaust system consists of a hood located over the flood coating machine, a one-foot diameter exhaust stack that rises vertically from the exhaust hood through the 25-foot high warehouse roof, and an exhaust fan with a minimum flow rate of 1,500 actual cubic feet per minute (acfm).

This permit allows Pre-Cote to use coatings, coating additives, and solvents other than those listed in the appendix of this permit. When specifically regulated, the other coatings, coating additives, and solvents are referred to as "non-material inventory list coating(s)".

**2.2 Emissions Control Description**

Emissions from the facility are uncontrolled.

***Emissions Limits***

**2.3 Emissions Limits**

**2.3.1 Volatile Organic Compounds**

- Emissions of VOCs from the facility shall not exceed 73.5 tons per any consecutive 12-month period (T/yr)

**2.3.2 Hazardous Air Pollutants**

- Emissions of any individual HAP from the facility shall be less than 10 tons per any consecutive 12-month period (T/yr)
- Emissions of total HAPs from the facility shall be less than 25 tons per any consecutive 12-month period (T/yr)

**2.3.3 Toxic Air Pollutants**

Emissions of volatile TAP's from the facility shall not exceed the emissions rates determined using the following methods. This analysis shall be conducted for each non-material inventory list coating applied. This analysis is not required for the coatings, coating additives, and solvents listed in the appendix of this permit.

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<b>Location:</b>	Boise, Idaho			

- The daily emissions rate limits for non-carcinogenic TAPs contained in a non-material inventory list coating shall be determined by using the following equation. The permittee shall calculate the daily emissions rate limit for each TAP contained in the coating. The TAP emissions limit(s) calculated using this equation shall be used to develop the coating material application rate limit specified in Permit Condition 2.8.

$$E_a \text{ (lb/day)} = 94.9 \times AAC_a$$

Where:

- $E_a$  = the allowable daily TAP emissions limit for TAP<sub>a</sub>, in pounds per day (lb/day)
- $AAC_a$  = the acceptable ambient concentration for non-carcinogenic compounds as listed in IDAPA 58.01.01.585 for TAP<sub>a</sub>
- 94.9 = conversion factor:  $((10^3 \mu\text{g}/\text{mg}) / (632 \mu\text{g}/\text{m}^3/\text{lb}/\text{hr}) / (0.4)) \times 24 \text{ hr}/\text{day}$

- The daily emissions rate limits for carcinogenic TAPs contained in a non-materials inventory list coating shall be determined by using the following equation. The permittee shall calculate the daily emissions rate limit for each TAP contained in the coating. The TAP emissions limit(s) calculated using this equation shall be used to develop the coating material application rate limit specified in Permit Condition 2.8.

$$E_a \text{ (lb/day)} = 303.8 \times AACC_a$$

Where:

- $E_a$  = the allowable daily TAP emissions limit for TAP<sub>a</sub>, in pounds per day (lb/day)
- $AACC_a$  = the acceptable ambient concentration for carcinogens compounds as listed in IDAPA 58.01.01.586 for TAP<sub>a</sub>
- 303.8 = conversion factor:  $(10^3 \mu\text{g}/\text{mg}) / (632 \mu\text{g}/\text{m}^3/\text{lb}/\text{hr}) / (0.125) \times 24 \text{ hr}/\text{day}$

**2.4 Odors**

In accordance with IDAPA 58.01.01.775-776, no person shall allow, suffer, cause, or permit the emission of odorous gases, liquids, or solids to the atmosphere in such quantities as to cause air pollution.

**2.5 Visible Emissions Limit**

Visible emissions from any stack, vent, or functionally equivalent opening in the facility, shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period as required by IDAPA 58.01.01.625. Opacity shall be determined by the procedures contained in IDAPA 58.01.01.625.

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<b>Location:</b>	Boise, Idaho			

**Operating Requirements**

**2.6 Emissions Exhaust System**

The permittee shall install an exhaust system to vent emissions from the Olympic flood coating machine vertically through the warehouse roof. The vent stack penetrating the roof line shall be unobstructed. The exhaust system shall consist of a hood located over the flood coating machine, a one-foot diameter exhaust stack that rises vertically from the exhaust hood through the 25-foot high warehouse roof, and an exhaust fan with a minimum flow rate of 1,500 acfm.

**2.7 Material Inventory List Coatings Application Rate Limit**

The maximum hourly application rate for the Olympic flood coater machine shall not exceed 15 gallons per hour (gal/hr), on a 24-hour average, for any individual coating listed in the appendix of this permit to demonstrate compliance with Permit Condition 2.3.

**2.8 Non-materials Inventory List Coatings Application Rate Limit**

The maximum daily non-materials inventory list coating application rate shall be determined using the following methods:

- Using the TAP emissions limit(s) derived by Permit Condition 2.3.3, the permittee shall calculate the daily non-materials inventory list coating application rate limit using the following equation:

$$CL \text{ (gal/day)} = E_a + (\rho \times i_a)$$

Where:

- CL= allowable non-materials inventory list coating application rate limit for the proposed coating, in gallons per day (gal/day)
- $E_a$  = the allowable daily TAP emissions limit for TAP<sub>a</sub> in pounds per day (lb/day) as calculated per Permit Condition 2.3.3.
- $\rho$  = density of the proposed coating, in pounds per gallon (lb/gal)
- $i_a$  = mass fraction (weight percent divided by 100 or lb/lb) of TAP

- The daily non-materials inventory list coating application rate for the proposed coating shall be limited to the lesser daily coating application rate determined by the equation above.
- The daily application rate shall be determined prior to each days coating operations.

**AIR QUALITY PERMIT TO CONSTRUCT No. P-040022**

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<b>Location:</b>	Boise, Idaho			

**Monitoring and Recordkeeping Requirements****2.9 Coating Density, VOC Content, HAP(s) Content, and Coating Usage Monitoring**

The permittee shall monitor and record the following information for each and every coating used. Records of this information shall remain onsite for the most recent two-year period and shall be made available to DEQ representatives upon request.

- the product name and manufacturer
- the corresponding Material Safety Data Sheet (MSDS)
- the density of the coating, expressed as lb/gal
- the VOC content of the coating, expressed as lb/gal or fractional weight percent
- individual TAP content of the coating, expressed as fractional weight percent
- individual HAP content of the coating, expressed as fractional weight percent
- the amount of each coating used, expressed as gal/day, gal/mo, and gal/yr

**2.10 VOC and HAP(s) Emissions Monitoring**

Using the information monitored and recorded in Permit Condition 2.9, the permit shall calculate monthly and annually, total VOC emissions, individual HAP emissions, and total HAP emissions to demonstrate compliance with Permit Condition 2.3. Annual emissions shall be determined by summing monthly emissions over the previous consecutive 12-month period. Records of this information shall remain onsite for the most recent two-year period and shall be made available to DEQ representatives upon request.

**2.11 TAP Emissions Monitoring**

Using the equations in Permit Conditions 2.3.3, the permittee shall monitor and record the daily allowable emissions for each TAP contained in the proposed non-materials inventory list coating. These emissions shall be recorded as pounds per day (lb/day). Records of this information shall remain onsite for the most recent two-year period and shall be made available to DEQ representatives upon request.

**2.12 Material Inventory List Coatings Application Rate Monitoring**

For each coating listed in the appendix of this permit, the permittee shall monitor and record the hourly coating application rate, based on a 24-hour average, to demonstrate compliance with Permit Condition 2.7. Records of this information shall remain onsite for the most recent two-year period and shall be made available to DEQ representatives upon request.

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<b>Location:</b>	Boise, Idaho			

**2.13     Non-materials Inventory List Coating Application Rate Monitoring**

For each non-materials inventory list coating, the permittee shall monitor and record the daily application rate to demonstrate compliance with Permit Condition 2.8. Records of this information shall remain onsite for the most recent two-year period and shall be made available to DEQ representatives upon request.

**2.14     Record of Odor Complaints**

The permittee shall maintain records of all odor complaints received. If the complaint has merit, the permittee shall take appropriate corrective action as expeditiously as practicable. The records shall include, at a minimum, the date each complaint was received and a description of the following: the complaint, the permittee's assessment of the validity of the complaint, any corrective action taken, and the date the corrective action was taken.

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<b>Location:</b>	Boise, Idaho			

**3. EMISSIONS LIMITS**

The following table provides a summary of all emissions limits required by this permit.

**PRE-COTE INDUSTRIES****Table 3.1 Summary of Emission Limits<sup>a</sup> -****Annual<sup>b</sup> (T/yr)**

<b>Source</b>	<b>Individual HAP</b>	<b>Total HAPs</b>	<b>VOC</b>
<b>Description</b>	<b>T/yr</b>	<b>T/yr</b>	<b>T/yr</b>
Olympic flood coating machine	<10	<25	73.5

<sup>a</sup> As determined by a pollutant-specific U.S. Environmental Protection Agency reference method or a DEQ-approved alternative, or as determined by the DEQ's emission estimation methods used in this permit analysis.

<sup>b</sup> As determined by multiplying the actual or allowable (if actual is not available) lb/hr emission rate by the allowable hours per year that the process(es) may operate, or by actual annual production rates.

**AIR QUALITY PERMIT TO CONSTRUCT No. P-040022**

<b>Permittee:</b>	Pre-Cote Ind., Inc.	<b>Facility ID No.</b> 001-00197	<b>Date Issued:</b>	August 18, 2004
<b>Location:</b>	Boise, Idaho			

**4. PERMIT TO CONSTRUCT GENERAL PROVISIONS**

1. The permittee has a continuing duty to comply with all terms and conditions of this permit. All emissions authorized herein shall be consistent with the terms and conditions of this permit and the Rules for the Control of Air Pollution in Idaho. The emissions of any pollutant in excess of the limitations specified herein, or noncompliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the Rules for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code §39-101, et seq., and the permittee is subject to penalties for each day of noncompliance.
2. The permittee shall at all times (except as provided in the Rules for the Control of Air Pollution in Idaho) maintain in good working order and operate as efficiently as practicable, all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable Idaho laws for the control of air pollution.
3. The permittee shall allow the Director, and/or the authorized representative(s), upon the presentation of credentials:
  - To enter, at reasonable times, upon the premises where an emissions source is located, or in which any records are required to be kept under the terms and conditions of this permit.
  - At reasonable times, to have access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring methods required in this permit, and to require stack performance testing in conformance with IDAPA 58.01.01.157 when deemed appropriate by the Director.
4. Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
5. The permittee shall notify DEQ, in writing, of the required information for the following events within five working days after occurrence:
  - Initiation of Construction - Date
  - Completion/Cessation of Construction - Date
  - Actual Production Startup - Date
  - Initial Date of Achieving Maximum Production Rate - Production Rate and Date
6. If performance testing is specified, the permittee must schedule and perform such testing within 60 days after achieving the maximum production rate, and not later than 180 days after initial startup. This requirement shall be construed as an ongoing requirement. The permittee shall not operate the source without testing within 180 days. If testing is not conducted within 180 days after initial startup, then each day of operation thereafter without the required performance test constitutes a violation. Such testing must strictly adhere to the procedures outlined in IDAPA 58.01.01.157 and shall not be conducted on weekends or state holidays without prior written approval from DEQ. Testing procedures and specific time limitations may be modified by DEQ by prior negotiation if conditions warrant adjustment. DEQ shall be notified at least 15 days prior to the scheduled performance test.

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<b>Location:</b>	Boise, Idaho			

Any records or data generated as a result of such performance test shall be made available to DEQ upon request.

7. The provisions of this permit are severable, and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.
8. In accordance with IDAPA 58.01.01.123, all documents submitted to DEQ, including, but not limited to, records, monitoring data, supporting information, requests for confidential treatment, testing reports, or compliance certification shall contain a certification by a responsible official. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document(s) are true, accurate, and complete.
9. All reasonable precautions shall be taken to prevent particulate matter from becoming airborne in accordance with IDAPA 58.01.01.650-651.
10. No person shall allow, suffer, cause, or permit the emissions of odorous gases, liquids, or solids to the atmosphere in such quantities as to cause air pollution, in accordance with IDAPA 58.01.01.775-776.
11. The permittee shall comply with provisions of IDAPA 58.01.01.600-616, *Rules for Control of Open Burning*.

5. APPENDIX – MATERIALS INVENTORY LIST

PRE-COTE COATINGS LIST			
	Product	Density (lb/gal)	VOC Content (lb VOC/gal Paint)
<b>Messmers</b>			
1	MC-500 UV Natural	7.56	2.7
2	MC-501 UV Clear Pine/Fir	7.56	2.7
3	MC-502 UV Clear Cedar	7.56	2.7
4	MC-607 UV Plus Charcoal	7.56	2.7
5	MS-605 UV Plus Driftwood Gray	7.56	2.7
6	MH-500 UV Plus Hardwood Natural	7.56	2.7
7	TF-600 Timberflex Natural	7.3	4.61
<b>Columbia</b>			
		Density (lb/gal)	VOC Content (lb VOC/gal Paint)
8	00-015-PP Primecoat Alkyd Wood Primer	11.4	2.85
9	01-002-MB Master Piece Int/Ext Velvet	11.28	1.59
10	01-002-DB Master Piece Int/Ext Velvet	11.28	1.59
11	01-002-NB Master Piece Int/Ext Velvet	11.28	1.59
12	01-002-WB Master Piece Int/Ext Velvet	11.28	1.59
13	01-224-MB Ext. Low Luster 100% Acrylic	10.73	1.26
14	01-224-WB Low Luster 100% Acrylic	10.73	1.26
15	01-224-DB Low Luster 100% Acrylic	10.73	1.26
16	01-224-NB Low Luster 100% Acrylic	10.73	1.26
17	01-235-DB Ext. 100% Acrylic Latex Flat	11.52	1.06
18	01-235-NB Ext. 100% Acrylic Latex Flat	11.52	1.06
19	01-235-WB Ext. 100% Acrylic Latex Flat	11.52	1.06
20	01-235-MB Ext. 100% Acrylic Latex Flat	11.52	1.06
21	01-242-WB Masterpiece Ext. 100% Acrylic Semi-Gloss		1.68
22	01-727-PP Ext. 100% Acrylic Latex Primer	11.07	1.16
23	02-001-WB Masterpiece Interior Velvet	11.74	1.1
24	02-042-WB Masterpiece Int Semi-Gloss	10.45	1.65
25	02-255-WB Acry-Plus Eggshell	10.92	1.56
26	02-256-WB Acry-Plus Velvet	11	1.51
27	02-552-WW High Build Int Latex Semi-Gloss	9.48	1.23
28	02-728-PP Prime Time Sheetrock Undercoater	11.16	1.65
29	02-735-PP Int Latex Enamel Undercoater	11.17	1
30	02-752-WB Latex Semi-Gloss Enamel	10.34	1.34
31	05-260-WB Acry-Shield Gloss Enamel	10.08	1.85
32	05-260-61 Acry-Shield Gloss Enamel	10.08	1.85
33	05-262-WB Acry-Shield Semi-Gloss Enamel	10.33	1.78
34	05-262-NB Acry-Shield Semi-Gloss Enamel	10.33	1.78
35	06-610-XX Polyurethane Gloss Varnish	7.54	3.55
36	06-650-XX Polyurethane Satin Varnish	7.6	3.69
37	08-400-DB Heavy Bodied Satin (Mildew)	12.31	2.78
38	08-400-NB Heavy Bodies Stain Neutral (Mildew)		2.78
39	08-600-WB Woodtech Pigmented Stain - White		3.87
40	08-600-NB Woodtech Pigmented Stain - Neutral		3.87
41	08-600-DB Woodtech Pigmented Stain - Deep	9.94	3.87
42	08-700-011 Woodtech Transparent True Cedar		4.52
43	08-700-015 Woodtech Transparent True Cedar		4.52
44	08-700-021 Woodtech Transparent True Redwood		4.52
45	08-700-025 Woodtech Transparent True Redwood		4.52
46	08-700-031 Woodtech Transparent True Walnut		4.52
47	08-700-035 Woodtech Transparent True Walnut		4.52
48	08-700-045 Woodtech Transparent Wood Finish		4.52
49	08-700-055 Woodtech Transparent Sierra	7.22	4.52
50	08-700-XX Woodtech Transparent Wood Finish		4.52

**PRE-COTE COATINGS LIST**

	<b>Product</b>	<b>Density (lb/gal)</b>	<b>VOC Content (lb VOC/gal Paint)</b>
51	08-700-TB Woodtech Transparent Stain - Tin	7.22	4.52
52	929-3837 Prime Lock Sealer Spray	10.33	3.73
53	937-4710 Seafin Teak Oil	7.1	7.1
54	937-4720 Benite Clear Wood Sealer # 110	6.64	0.88
55	947-5677 Solid Color Deck Stain Midtone	9.4	2.09
56	959-6813 Paint Thinner	6.6	6.6
57	11101 Old Masters Stain - Natural	7.88	4.59
58	11404 Old Masters Stain - Red Mahogany Penetrating		4.59
59	11601 Old Masters Wiping Stain - Maple	7.88	4.59
60	Benite Clear Wood Sealer # 110	6.64	0.88
61	Defy 210 Clear Wood Finish	8.4	2.83
62	Defy 260 Colorado Gold	8.4	2.83
63	MEK	6.67	6.67
	<b>Benjamin Moore &amp; Co.</b>	<b>Density (lb/gal)</b>	<b>VOC Content (lb VOC/lb Paint)<sup>1</sup></b>
64	070-60 Moorwood Alkyd Semi-Trans Deck & Siding Stain	7.35	0.826
65	070-45 Moorwood Alkyd Semi-Trans Deck & Siding Stain		0.826
66	098-14 Moorwood Alkyd Transparent Deck & Siding Stain		0.448
67	103 3B Moores Latex House Paint	10.25	0.749
68	103 OY 3x2 Moores Latex House Paint	10.25	0.749
69	103 BK 26.5 Moores Latex House Paint	10.25	0.749
70	103 OG 1x25 Moores Latex House Paint	10.25	0.749
71	103 4B Moores Latex House Paint	10.25	0.749
72	103 OY 4x0.5 Moores Latex House Paint	10.25	0.749
73	103 Rx12 Moores Latex House Paint	10.25	0.749
74	103 BK 5x22 Moores Latex House Paint	10.25	0.749
75	103 TG 2 Moores Latex House Paint	10.25	0.749
76	103 OG 2x Moores Latex House Paint	10.25	0.749
77	103 GY 8 Moores Latex House Paint	10.25	0.749
78	185 3B Moorecraft Super Spec Low Luster Latex House Paint		0.418
79	185 1B Moorecraft Super Spec Low Luster Latex House Paint		0.418
80	185 1B OC 95 Moorecraft Super Spec Low Luster Latex House Paint		0.418
81	185 1B 283 Moorecraft Super Spec Low Luster Latex House Paint		0.418
	¹Wieht % of Section II in the MSDS were summed to obtain VOC content		
	<b>Sherwin-Williams</b>	<b>Density (lb/gal)</b>	<b>VOC Content (lb VOC/gal Paint)</b>
82	Woodguard	7.48	1.02
83	Semitransparent Stain (Oil) A14T5	6.81	5.61
84	Woodscapes A15T5	8.54	0.66
85	Woodclassic Stain A49 Series	7.47	4.37
86	A100 Flat A6 Series	10.93	0.45
87	A100 Satin A82 Series	10.07	0.34
88	Pro Mar Ext. Satin B37 Series	10.52	0.36
89	Lacquer T65F520	8.51	0.54
90	Lacquer T70WT500	9.69	0.72
91	Lacquer T75CT502	8.52	0.84
92	Penofin Western Red Cedar	7	4.65
	<b>Van Waters &amp; Rogers Inc.</b>	<b>Density (lb/gal)</b>	<b>VOC Content (lb VOC/gal Paint)</b>
93	Mineral Spirits	6.56	6.56
	<b>Duckback Products</b>	<b>Density (lb/gal)</b>	<b>VOC Content (lb VOC/gal Paint)</b>
94	Masson's Select Woodperfect Mahogny 6701	8.67	2.08
95	Masson's Select Woodperfect Cedar 6704	8.67	2.08

PRE-COTE COATINGS LIST			
	Product	Density (lb/gal)	VOC Content (lb VOC/gal Paint)
96	Superdeck Log Oil Finish Amber Hue 7100	7.46	2.92
97	Superdeck Log Oil Finish Gldn Honey 7200	7.46	2.92
98	Superdeck Log Oil Finish Atmn Brown 7300	7.46	2.92
99	Superdeck Trans Stain Cedar 1901	7.14	2.92
100	Superdeck Trans Stain Red Cedar 1902	7.14	2.92
101	Superdeck Trans Stain Heart Redwood 1905	7.14	2.92
102	Superdeck Trans Stain Valley 1906	7.14	2.92
103	Superdeck Trans Stain Canyon Brown 1907	7.14	2.92
104	Superdeck Trans Stain Coastal Gray 1908	7.14	2.92
105	Superdeck Trans Stain Natural 1910	7.14	2.92
	Samuel Cabot Inc. <sup>4</sup>	Density (lb/gal)	VOC Content (lb VOC/gal Paint)
106	100 Series Semi-Solid Stains Oil	7.63	4.58
107	300 Series Semi-Transparent Oil	7.48	4.47
108	6500 Series O.V.T. Solid Color Stains Oil	11.26	2.78
109	9100 Clear Solutions Oil	7.3	2.81
110	100 Series Semi-Solid Acrylic	7.77	4.47
111	300 Series Semi-Trans Acrylic	7.65	4.58
112	600 Series O.T.V. Solid Acrylic	9.82	0.468
	*Densities and VOC content are averages taken from Factory Finish Environmental Reporting sheet		
	Olympic	Density (lb/gal)	VOC Content (lb VOC/gal Paint)
113	Olympic I/E Satin Varnish	7.79	3.58
114	/05 Oly Oil Semi 705	7.44	4.47
115	/01 Oly Oil Semi 708	7.47	4.47
116	/01 Oly Oil Semi 716	7.45	4.47
117	/05 Oly Oil Semi 716	7.45	4.47
118	/05 Oly Oil Semi 717	7.45	4.47
119	/01 Oly Oil Semi 718	7.51	4.46
120	/05 Oly Oil Semi 718	7.51	4.46
121	/01 Oly Oil Semi 726	7.49	4.47
122	/01 Oly Oil Semi 727	7.44	4.46
123	/05 Oly Oil Semi 727	7.44	4.46
124	Deck Stn S/T Caramel	7.26	4.49
125	Deck Stn S/T Ginger	7.26	4.48
126	Oly Oil S/C Beachwood VOC<350	10.49	2.83
127	Oly Oil S/C Russett VOC<351	10.37	2.83
128	Clear Blend Formula VOC<352	8.01	2.83
129	/01 Oly Oil Semi 916 VOC<550	7.6	4.46
130	/05 Oly Oil Semi 916 VOC<550	7.6	4.46
131	/01 Oly Oil Semi 917 VOC<550	7.52	4.47
132	/05 Oly Oil Semi 917 VOC<550	7.52	4.47
133	Clear Blending Form VOC<550	6.88	4.5
134	Maximum Cedar Naturaltone	7.11	4.42
135	Premium Acrylic Ltx Stn S/T-717	9	0.95
136	Certainteed E/F Pastel Base	10.99	0.76
137	Certainteed E/F Mid-Tone Base	10.53	0.78
138	Certainteed E/F Deep-Tone Base	10.39	0.77
139	Ft Sand	10.53	0.52