

**Subject Products:** All Thomas Benjamin Floors

**Re:** CalGreen Compliance, VOCs

The above-referenced floors meet all relevant mandatory requirements of the 2010 California Green Building Standards Code, as detailed herein. All referenced Code sections are taken from 2010 Title 24, Part 11, California Green Building Standards Code, July 1, 2012 Revision.

**I. MANDATORY MEASURES**

**4.504.2.2 Paints and coatings.** Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Suggested Control Measure, as shown in Table 4.504.3, unless more stringent local limits apply.

<b>TABLE 4.504.3</b> <b>VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS</b> Grams of VOC per Liter of Coating, Less Water and Less Exempt Compounds	
COATING CATEGORY	EFFECTIVE 1/1/2010
Flat coatings	50
Nonflat coatings	100
Nonflat-high gloss coatings	150
Specialty Coatings	
Aluminum roof coatings	400
Basement specialty coatings	400
Bituminous roof coatings	50
Bituminous roof primers	350
Bond breakers	350
Concrete curing compounds	350
Concrete/masonry sealers	100
Driveway sealers	50
Dry fog coatings	150
Faux finishing coatings	350
Fire resistive coatings	350
<b>Floor coatings</b>	<b>100</b>
Form-release compounds	350
Graphic arts coatings (sign paints)	500

  

<p style="text-align: center;">Floors finished with:            Ceramic-Fortified Urethane, UV-Cured            Ceramic/Oil Hybrid, UV-Cured</p> <p style="text-align: center;">Relevant coating: 970-F020-158B            Grams of VOC per Liter of Coating,            Less Water and Less Exempt Compounds</p> <p style="text-align: center;"><b>1.13 grams / Liter</b></p>	<p style="text-align: center;">Floors finished with:            Rubio Monocoat European Hardwax Oil</p> <p style="text-align: center;">Grams of VOC per Liter of Coating,            Less Water and Less Exempt Compounds</p> <p style="text-align: center;"><b>0.025 grams / Liter</b></p>
<p style="text-align: center;">Floors finished with:            WOCA Industrial Oil Finish</p> <p style="text-align: center;">Grams of VOC per Liter of Coating,            Less Water and Less Exempt Compounds</p> <p style="text-align: center;"><b>0.xxx grams / Liter</b></p>	

**Subject Products:** All Thomas Benjamin Floors

**Re:** CalGreen Compliance, Urea-Formaldehyde

The above-referenced floors meet all relevant mandatory requirements of the 2010 California Green Building Standards Code, as detailed herein. All referenced Code sections are taken from 2010 Title 24, Part 11, California Green Building Standards Code, July 1, 2012 Revision.

**I. MANDATORY MEASURES (cont'd)**

**4.504.5 Composite wood products.** *Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the building shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure for Composite Wood (17 CCR 93120 et seq.), by or before the dates specified in those sections, as shown in Table 4.504.5.*

<b>TABLE 4.504.5            FORMALDEHYDE LIMITS<sup>1</sup>            Maximum Formaldehyde Emissions in Parts per Million</b>				<b>All Thomas Benjamin            Floors</b>  <b>Less than 0.02-ppm            formaldehyde            emissions.</b>
<b>PRODUCT</b>	<b>CURRENT LIMIT</b>	<b>JANUARY 1, 2012</b>	<b>JULY 1, 2012</b>	
<b>Hardwood plywood veneer core</b>	<b>0.05</b>			
Hardwood plywood composite core	0.08		0.05	
Particleboard	0.09			
Medium density fiberboard	0.11			
Thin medium density fiberboard	0.21	0.13		

Most recent samples sent to Advanced Testing Services (ATS) on 4/6/2012. At ATS, these samples undergo indicative testing under protocols of ASTM D6007 "Standard Test Method for Determining Formaldehyde Concentrations in Air from Wood Products Using a Small Scale Chamber".

**II. VOLUNTARY MEASURES**

In addition, all Thomas Benjamin Floors meet the following Voluntary Measures:

**A4.405.1 Prefinished building materials.** *Utilize prefinished building materials which do not require additional painting or staining when possible.*

