

US VOC Regulatory Update

December 2007



Bringing out the best in hardwood floors

OTC Rule Progress – December 2007

OTC State	Final Rule Passed	Effective Date
Connecticut	8/1/2007	5/1/2008
Delaware	3/2002	1/1/2005
District of Columbia	4/19/2004	1/1/2005
Maine	12/4/2004	1/1//2006*
Maryland	3/19/2004	1/1/2005
Massachusetts	8/2007	1/1/2009
New Hampshire	7/25/2006	1/1/2007
New Jersey	6/21/2004	1/1/2005*
New York	11/2003	1/1/2005*
Pennsylvania	7/15/2003	1/1/2005
Rhode Island	Waiting for EPA Rule	TBD
Vermont	Will consider if necessary	Will consider if necessary
Virginia	3/2004	1/1/2005*

Green – Final Rule Passed

Red – Will Consider if Necessary

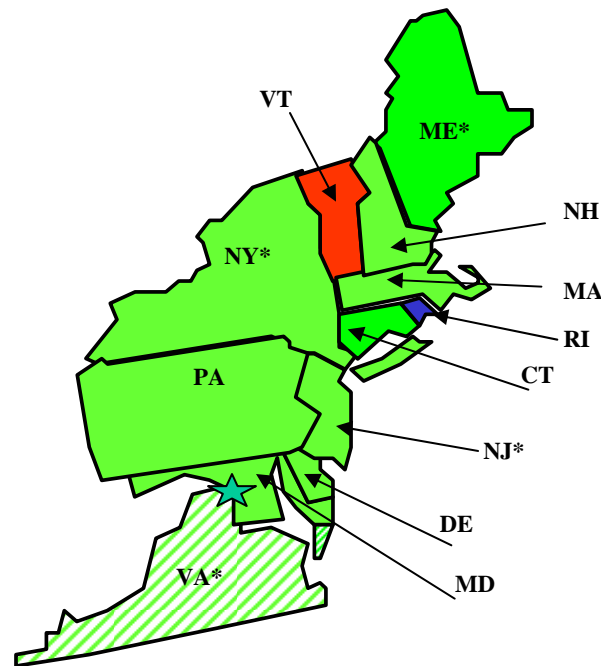
Blue – Waiting for EPA

* - These states have exceptions (See Page 4)



OTC Map

(as of December 2007)



Green – Final

Note: Virginia's Rule pertains only to the Northern Virginia Emissions Control Area around DC

Red – Will consider if necessary (default to National AIM Rule until adopted)

Blue – Plan to wait for EPA rule adoption (OTC Model Rule)

District of Columbia has passed rule. Indicated by the star.

* - These States have exceptions (See Page 4)

Exception to the Rules:

Virginia:

Virginia's Rule only applies to the following counties and cities in the Northern Virginia Emissions Control Area

Arlington County

Fairfax County

Loudoun County

Prince William County

Stafford County

Alexandria City

Fairfax City

Falls Church City

Manassas City

Manassas Park City

Maine:

Varnishes and interior stains will use the National AIM Rules limits until 2011. There is no exceedance fee so the varnishes and interior stains must comply with the limit or have to use the quart exemption.



2007 VOC Tables (Updated December 2007)

Category	National	California			OTC ^{3,4}
	AIM Rule ¹	CARB		South Coast	* See Below
	Current	Current	NEW SCM (2010)	Current	Current
Sanding Sealers	550	350	275	275**	350
Sealers	400	200	100	100	200
Quick Dry Sealers	450	200	275	100	200
Stain, Semi-transparent	550	250	275	250 ²	250
Varnishes	450	350	275	275**	350 ⁺
Conversion Varnish	725	350	275	275**	725
Lacquers (including lacquer sanding sealers)	680	550	275	275**	550
Clear Brushing Lacquer	---	680	275	275**	680
Shellacs – Clear	730	730	730	730***	730

Note: Varnish category includes the following clear wood finish technologies: OMUs, waterborne, moisture cure, epoxy and other 2-pack types.

*OTC States with final rules adopted: Delaware, District of Columbia, Maine (except varnish & stain), Maryland, New Jersey, New Hampshire, New York, Pennsylvania, New Hampshire, Connecticut, Massachusetts, Virginia, (Only the Northern Virginia Emissions Control Area which includes: Arlington, Fairfax, Loudoun, Prince William and Stafford Counties; Cities of Alexandria, Fairfax, Falls Church, Manassas and Manassas Park.) – Fredericksburg Area 1/1/2008

* + Maine will allow varnishes and interior stains to use the National Rule for VOC until January 1, 2011. (450 g/L, 550 g/L respectively)

** Quart Exemption has been eliminated for Varnishes, Sanding Sealer, and Lacquers in the South Coast Air District

*** Shellacs manufactured after 12/31/06 are not allowed to be used on wood flooring in South Coast. There is a one year sell through provision.

1 – EPA is revising the National AIM Rule – limits should be similar to OTC Phase I limits

2 – Interior

3 – RI is currently adopting OTC Phase I – VT will probably remain with National AIM Rule for now.

4 – LADCO States – OH, IN, and IL are actively revising AIM rules – probably OTC Phase I limits



Bona® Product VOC Tables

Updated December 2007

Residential and Commercial Products

Product	Product VOC (g/L)	National		OTC	
		AIM Rule		DE/DC/MA/ME/VA/CT/NT/NY/NJ/PA/MD	
		Current	Possible (2010)	Current	Possible (2012)
Stains					
Drifast™ Stain	< 550	550	250	250 (qts OK)	275 (qts OK)
Sealers					
Bona Bonaseal®	< 100	400	200	200	100
Bona D'TS™	< 170	550	350	350	275
Drifast™ Sealer	< 550	550	200	200 (qts OK)	275 (qts OK)
Finishes					
Bona Mega®	< 150	450	350	350	275
Bona Strong™	< 350	450	350	350	275
Bona Naturale™	<210	450	350	350	275
Bona Traffic®	< 180	450	350	350	275
Woodline® 350 Poly	< 350	450	350	350	275
Woodline® Poly	< 510	450	350	350 (qts OK)	275 (qts OK)

Product	Product VOC (g/L)	California		
		CARB		South Coast
		Current	NEW SCM (2010)	Current
Stains				
Drifast™ Stain	< 550	250	275	250 (qts OK)
Sealers				
Bona Bonaseal®	< 100	200	100	100
Bona D'TS™	< 170	350	275	275
Drifast™ Sealer	< 550	350	275	275 (NA)
Finishes				
Bona Mega®	< 150	350	275	275
Bona Strong™	< 350	350	275	275 (NA)
Bona Naturale™	<210	350	275	275
Bona Traffic®	< 180	350	275	275
Woodline® 350 Poly	< 350	350	275	275 (NA)
Woodline® Poly	< 510	350	275	275 (NA)

NOTE:

- Shaded products are available in **quarts only** in the OTC/CARB regulated areas.
- Woodline® Poly and Drifast™ Sealer are not available in the South Coast AQMD
- Woodline® 350 Poly and Bona Strong™ cannot be used in the South Coast AQMD.
- Cleaners, Prep, Luster Coat, Refresher, and Filler are not subject to AIM Coating regulations.
- NA – Not Available



Bona® Sport Product VOC Tables

Updated December 2007

Product	Product VOC (g/L)	National AIM Rule		OTC * See Below	
		Current	Possible (2010)	Current	Possible (2012)
Sealers					
Bona Sport® Sport Seal	<500	550	350	200 (NA)	100
Bona Sport® Drifast™ Sealer	< 550	550	275	350 (NA)	275
Bona Sport® Supersport™ Seal	<100	400	200	200	100
Bona Sport® Sport Seal 350	<350	550	350	350	275
Finishes					
Bona Sport® All Court	<500	450	350	350 (NA)	275
Bona Sport® Sport Poly	<450	450	350	350 (NA)	275
Bona Sport® Sport Poly 350	<350	450	350	350	275
Bona Sport® Supersport™	<350	450	350	350	275
Bona Sport® Supersport™ One	<145	450	350	350	275
Game Lines Paint					
Bona Sport® Courtlines™	<490	500	500	500	500

Product	Product VOC (g/L)	California		
		CARB		South Coast
		Current	NEW SCM (2010)	Current
Sealers				
Bona Sport® Sport Seal	<500	350 (NA)	275	275 (NA)
Bona Sport® Drifast™ Sealer	< 550	350 (NA)	275	275 (NA)
Bona Sport® Supersport™ Seal	<100	200	100	100
Bona Sport® Sport Seal 350	<350	350	275	275
Finishes				
Bona Sport® All Court	<500	350 (NA)	275	275 (NA)
Bona Sport® Sport Poly	<450	350 (NA)	275	275 (NA)
Bona Sport® Sport Poly 350	<350	350	275	275 (NA)
Bona Sport® Supersport™	<350	350	275	275 (NA)
Bona Sport® Supersport™ One	<145	350	275	275
Game Lines Paint				
Bona Sport® Courtlines™	<490	500	500	500

NOTE:

- Lightly Shaded products are **not** available in the OTC/CARB regulated areas. Sport Poly is **OK** in Massachusetts until 2009 and in Maine until 2011.
- Sport Poly 350 and Supersport are not available in the South Coast AQMD.
- Cleaners, Prep, Luster Coat, Refresher, and Filler are not subject to AIM Coating regulations.
- NA – Not Available

