

Guide for Volatile Organic Compound (VOC) Compliance

VOC (Volatile Organic Compound Content) is essentially the solvent content of a coating or adhesive product. The GBCA (Green Building Council of Australia) have issued guidelines for VOC emissions within buildings that may relate to the health impact on occupants, which ATFA is subsequently working with industry in an effort to achieve.

The following points are advised:

1. The GBCA requirements are basically that of solvent content, or more precisely Volatile Organic Compound content (VOC).
2. Toxicity and VOC are not necessarily related. Low VOC does not necessarily mean lower toxicity than a high VOC coating or vice versa. Toxicity depends on type of solvent and the proportion of the solvent in the wet product.
3. Accordingly if toxicity information is required, the Material Safety Data Sheet (MSDS) of the product should be referred to prior to use of any product: web references are as indicated in the following tables.
4. The VOC's listed have been calculated on the European definition which Australia has also adopted – basically all solvents with boiling points below 250 deg C are considered VOC's. When consulting the manufacturer MSDS be aware that a different calculation method for the VOC may have been made – for example the USA method is to calculate VOC on the basis of VOC % after water has been removed from the formulation – unlike in Europe and Australia, in the USA some very volatile solvents are considered VOC exempt if they do not cause photo chemical smog.
5. AFTA has compiled the following as a guide only, which is believed to be correct at the time of publication.

Note: To ensure this document remains current it is requested that all named manufacturers advise ATFA immediately of any change. Changes will subsequently be maintained on the web based version of the document. Anyone holding this document should refer to www.atfa.com.au 'consumer services' for the latest version of this document. ATFA bears no liability for data provided by the contributing companies.



Waterborne Coatings

Complies to AFTA 2010 guideline of 140 g/L

Does not comply to ATFA 2010 guideline

Product	Type	V.O.C. in Grams / Litre	Toxicity – refer to Manufacturer MSDS
The Traditional Stain Company Akwa Stain	Stain	0	www.traditionalstainco.com.au
The Traditional Stain Company Eco Stain	Stain	0	www.traditionalstainco.com.au
Peerless JAL Hy-Bridge	Intermediate Primer	10	http://www.peerlessjal.com.au/msds-pis/hyseries.html
Peerless JAL Hy-Prime	Primer	10	http://www.peerlessjal.com.au/msds-pis/hyseries.html
Bona Freshen Up	Maintenance Coating	20	http://www.bona.net.au/Contractors/Products/Maintenancecommercial.aspx
Bona Classic	Primer / Sealer	24	http://www.bona.net.au/Contractors/Products/Coatings.aspx
Puraseal	Primer / Sealer	28	www.urethanecoatings.com.au
Loba Exotengrund	Primer / Sealer	32	http://www.loba.de/pages_en/lobadur/lobadur.php
Peerless JAL Hy-Deck	1 pack Hybrid	42	http://www.peerlessjal.com.au/msds-pis/hyseries.html
Lobadur 2K Duo	2 pack PU	49	http://www.loba.de/pages_en/lobadur/lobadur.php
Bona Mega Matt	1 Pack PU	52	http://www.bona.net.au/Contractors/Products/Coatings.aspx
Bona Mega Satin (SM)	1 Pack PU	54	http://www.bona.net.au/Contractors/Products/Coatings.aspx
Bona Mega Gloss	1 Pack PU	56	http://www.bona.net.au/Contractors/Products/Coatings.aspx
Synteko Pro	1 pack PU	55	http://www.synteko.com.au/products/finishes/contractor.htm
Synteko Basic	1 pack PU	56	http://www.synteko.com.au/products/finishes/contractor.htm
Bona Intense	Primer / Sealer	57	http://www.bona.net.au/Contractors/Products/Coatings.aspx
Bona Novia Satin (SM)	Primer / Sealer & 1 Pack PU	58	http://www.bona.net.au/Contractors/Products/Coatings.aspx
Lobadur Globaseal	Primer / Sealer	59	http://www.loba.de/pages_en/lobadur/lobadur.php
Toby Aquamax Roller Seal	Primer / Sealer	<60	www.duspec.com.au
ICA SpA FA45	2 pack primer/sealer	70	http://www.pacificfloors.net.au/coatings/technicalinformation
Synteko Top	1 pack PU	70	http://www.synteko.com.au/products/finishes/contractor.htm
Bona Sportive Matt	2 Pack PU	73	http://www.bona.net.au/Contractors/Products/Sportsfloorsystem1.aspx

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Product	Type	V.O.C. in Grams / Litre	Toxicity – refer to Manufacturer MSDS
Lobadur WS 2K Supra AT	2 pack PU	73	http://www.loba.de/pages_en/lobadur/lobadur.php
Lobadur EasyPrime	Primer / Sealer	75	http://www.loba.de/pages_en/lobadur/lobadur.php
Bona Naturale	2 pack PU	79	http://www.bona.net.au/pdf/MSDS_Prime.pdf
Bona Sportive Gloss	2 Pack PU	74	http://www.bona.net.au/Contractors/Products/Sportsfloorsystem1.aspx
Bona Mega Extra Matt	1 Pack PU	74	http://www.bona.net.au/Contractors/Products/Coatings.aspx
Bona Naturale 2K	2 Pack PU	79	http://www.bona.net.au/Contractors/Products/Coatings.aspx
Loba Hybrid AT	1 pack PU	79	http://www.loba.de/pages_en/lobadur/lobadur.php
Purashine	Polish	79 average	www.urethanecoatings.com.au
Bona Sportive Primer	Primer/ Sealer	81	http://www.bona.net.au/Contractors/Products/Sportsfloorsystem1.aspx
Bona Traffic Anti Slip	2 Pack PU	82	http://www.bona.net.au/Contractors/Products/Coatings.aspx
Peerless JAL Hy-Traffic	2 pack Hybrid	83	http://www.peerlessjal.com.au/msds-pis/hyseries.html
Bona Traffic Matt (IP)	2 Pack PU	84	http://www.bona.net.au/Contractors/Products/Coatings.aspx
Synteko Sealmaster	Primer / Sealer	85	http://www.synteko.com.au/products/finishes/contractor.htm
Bona Traffic Satin (SM)	2 Pack PU	87	http://www.bona.net.au/Contractors/Products/Coatings.aspx
ICA SpA "G" Series	2 pack PU	90	http://www.pacificfloors.net.au/coatings/technicalinformation
Intergrain Enviropro Timberseal	Primer / Sealer	91	www.duspec.com.au
Toby Aquamax Domestic	1 pack PU	<70	www.duspec.com.au
Intergrain Enviropro Endure	1 pack PU	<70	www.duspec.com.au
Loba VIVA	1 pack PU	99	http://www.loba.de/pages_en/lobadur/lobadur.php
Lobadur WS Easy Finish	1 pack PU	99	http://www.loba.de/pages_en/lobadur/lobadur.php
Premium Aqua Gold	2 pack PU	100	http://www.premiumfloors.com.au/pdf/pdf708.pdf
Bona Naturale Base	Primer/Sealer	100	http://www.bona.net.au/Contractors/Products/Coatings.aspx
Synteko Sealmaster	Primer/Sealer	104	http://www.synteko.com.au/products/finishes/contractor.htm
Absolute Coatings Grand	1 pack Oil Modified PU	105	http://www.synteko.com.au/products/finishes/contractor.htm
Absolute Coatings LNL-100SA	Sealer	105	http://www.synteko.com.au/products/finishes/contractor.htm

Waterborne Coatings

Complies to AFTA 2010 guideline of 140 g/L

Does not comply to ATFA 2010 guideline

Product	Type	V.O.C. in Grams / Litre	Toxicity – refer to Manufacturer MSDS
Absolute Coatings	1 pack PU	105	http://www.synteko.com.au/products/finishes/contractor.htm
Synteko Best	2 pack PU	105	http://www.synteko.com.au/products/finishes/contractor.htm
Bostik Natrathane	1 pack PU	106	Request via 1800 621 221
Purathane	1 pack PU	112 average	www.urethanecoatings.com.au
Synteko Star	2 pack PU	114	http://www.synteko.com.au/products/finishes/contractor.htm
Absolute Coatings Trek	2 pack PU	117	http://www.synteko.com.au/products/finishes/contractor.htm
Feast Watson Enviromax	2 pack PU	<100	www.duspec.com.au
Intergrain Enviropro Endure 2K	2 pack PU	<100	www.duspec.com.au
Enviropro Timber Seal Ultra	primer/ sealer	<140	www.duspec.com.au
Toby Aquamax Commercial Sport	2 pack PU	<140	www.duspec.com.au
Polycure Aquapro 8068 Hitek	1 pack PU	<140	www.polycure.com.au
Purathane Two Pack	2 pack PU	148 average	www.urethanecoatings.com.au
Intergrain Enviropro High Build	1 pack PU	<100g/L	www.duspec.com.au

PU = Polyurethane

PUD = Polyurethane Dispersion

Brand	Supplier
Absolute Coatings	Synteko
Bona	Ezi Floor Products
Feast Watson	Cabot's
ICA	Pacific Floors
Intergrain Enviropro	Cabot's
Loba and Lobadur	Swadesir
Premiumset	Peak Chemicals
Timberex	Ezi Floor Products
Toby	Cabot's
Treatex	Whittle Waxes
All other brands are sold by the brand named company	

Alternative Coatings (Penetrating Oils & Waxes)

Complies to AFTA 2010 guideline of 500 g/L

Does not comply to ATFA 2010 guideline

Product	Type	V.O.C. in Grams / Litre	Toxicity – refer to Manufacturer MSDS
Livos Linus Priming Oil # 260	Penetrating Oil	0	www.livos.com.au
Loba 2K Impact Oil	Penetrating Oil 2 Pack	0	http://www.loba.de/pages_en/lobadur/lobadur.php
Loba Akzent Oil	Penetrating Oil	0	http://www.loba.de/pages_en/lobadur/lobadur.php
Loba HS Select	Oil / Wax	0	http://www.loba.de/pages_en/lobadur/lobadur.php
Rubio Monocoat Oil Plus 2C	Bonding Oil	0	info@rubiomonocoat.com.au
Rubio Monocoat Precolour Aqua W/B	Oil pre-treatment	0	info@rubiomonocoat.com.au
Rubio Monocoat Fumed/Smoked/Tanned W/B	Oil pre-treatment	0	info@rubiomonocoat.com.au
Treatex Eco	Penetrating Oil	<1	www.whittlewaxes.com.au
Synteko Natural	Penetrating Oil	1	http://www.synteko.com.au/products/finishes/contractor.htm
Timberex Wax oil	Buffable Wax Oil	8.3	http://www.timberex.com.au/wax_oil.php
Timberex Free	High Solids Oil	13	http://www.timberex.com.au/free.php
Livos Koimos High Solid Wood Oil #208	Penetrating Oil	26	www.livos.com.au
Loba Deck and Teak Oil	Penetrating Oil	200	http://www.loba.de/pages_en/lobadur/lobadur.php
Timberex Satin Oil Gold	Maintenance Oil	206	http://www.timberex.com.au/satin_oil_gold.php
Timberex Satin Oil Gold Mousse	Maintenance Mousse	332	http://www.timberex.com.au/satin_oil_mousse.php
Livos - Kunos Natural Oil Sealer #244	Penetrating Oil Sealer	429	www.livos.com.au
Timberex Hard Wax Oil Satin	Hard Wax oil	434.4	http://www.timberex.com.au/hard_wax_oil.php
Synteko Urethane	Alkyd Urethane	448	http://www.synteko.com.au/products/finishes/contractor.htm
Treatex Wax	Hard wax oil	450	http://www.treatex.co.uk/PDFs/Treatex%20Hardwax%20Oil%20Traditional%20Clear%20Satin%2011001.pdf
Loba Markant Hardwax Oil	Oil / Wax	460	http://www.loba.de/pages_en/lobadur/lobadur.php
Timberex Timberguard	External Oil	468	http://www.timberex.com.au/timberguard.php
Timberex Heavy Duty	Penetrating Oil	474	http://www.timberex.com.au/heavy_duty_oil.php
Whittle Waxes Hardwax Oil 41	Oil / Wax	480	www.whittlewaxes.com.au
Whittle Waxes Hardwax Oil	Oil / Wax	480	www.whittlewaxes.com.au
Livos – Ardvos Universal Wood Oil #266	Penetrating Oil	498	www.livos.com.au

Alternative Coatings (Penetrating Oils & Waxes)

Complies to AFTA 2010 guideline of 500 g/L

Does not comply to ATFA 2010 guideline

Product	Type	V.O.C in grams / Litre	Toxicity – refer to Manufacturer MSDS
Treatex Traditional	Oil / Wax	500	www.whittlewaxes.com.au
Timberex Hard Wax Oil Matt	Hard Wax Oil	527.4	http://www.timberex.com.au/hard_wax_oil.php
Whittle Waxes Object Oil	Penetrating Oil	530	www.whittlewaxes.com.au
Whittle Waxes PNZ Primer	Penetrating oil	540	www.whittlewaxes.com.au

*Note. It is policy of the ATFA that where **any** solvent emission occurs from a coating, a respirator is recommended. It is acknowledge that this may contradict some manufacturer's advice, but the ATFA have based this policy on the premises that no exposure is a good exposure.

Solventborne Coatings

Complies to AFTA 2010 guideline of 500 g/L

Does not comply to ATFA 2010 guideline

Product	Type	V.O.C in grams / Litre	Toxicity – refer to Manufacturer MSDS
Lobadur Primaseal	Primer / Sealer	98	http://www.loba.de/pages_en/lobadur/lobadur.php
Polycure Ultra Gloss 5870	MC PU	300	www.polycure.com.au
Polycure Crystapol 5970 Gloss	MC PU	300	www.polycure.com.au
Premium High Build	MCPU	450	http://www.premiumfloors.com.au/pdf/pdf701.pdf
Toby Supreme	MC PU	450	www.duspec.com.au
Duothane Part A/Part B	2 pack PU	474	www.urethanecoatings.com.au
Duothane Fast	2 pack PU	476	www.urethanecoatings.com.au
Monothane HS50	MC PU	489	www.urethanecoatings.com.au
Feast Watson Quickstep	MC PU Sealer	<500	www.duspec.com.au
Polycure AK/BK	2 pack PU	500	www.polycure.com.au
Polycure Durapol 1050 Max Gloss	MC PU	500	www.polycure.com.au
Premium 2 Pack	2 pack PU	520	http://www.premiumfloors.com.au/pdf/pdf704.pdf
Monothane 45	MC PU	525	www.urethanecoatings.com.au
Premium Gold	MC PU	530	www.premiumfloors.com.au/pdf/pdf700.pdf

Solventborne Coatings

Complies to AFTA 2010 guideline of 500 g/L

Does not comply to ATFA 2010 guideline

Product	Type	V.O.C in grams / Litre	Toxicity – refer to Manufacturer MSDS
Monothane 44	MC PU	540	www.urethanecoatings.com.au
Toby Lustapol	2 pack PU	540	www.duspec.com.au
Polycure 1045	MC PU	550	www.polycure.com.au
Feast Watson Maxithane	MC PU	<555	www.duspec.com.au
Feast Watson Maxithane Non Yellowing	MC PU Aliphatic	<565	www.duspec.com.au
Polycure 1044	MC PU	600	www.polycure.com.au
Toby Unithane	MC PU	<625	www.duspec.com.au
Urethane Coatings Timberseal	Vinyl Fast Sealer	639	www.urethanecoatings.com.au
Toby GF Barrier Seal	Vinyl Fast Dry Sealer	<685	www.duspec.com.au
Premium Timber Sealer	Sealer	690	http://www.premiumfloors.com.au/pdf/pdf703.pdf
Polycure 5537 Fast Sealer	2 Pack PU Sealer	720	www.polycure.com.au
Premium Fast Timber Sealer	Vinyl fast Dry Sealer	760	http://www.premiumfloors.com.au/pdf/pdf703.pdf
Feast Watson Maxiprime	Fast Dry Sealer	<770	www.duspec.com.au
Feast Watson Maxibuild Primer	Fast Dry Sealer	<770	www.duspec.com.au
Toby Rapid Seal	Vinyl Fast Dry Sealer	<795	www.duspec.com.au
Bostik Quick Dry Sealer	Vinyl fast Sealer	814	www.bostik.com.au or Request via 1800 621 221
Polycure 3030	Vinyl Fast Sealer	870	www.polycure.com.au
Feast Watson Hi Build 55	MC PU	Unknown	www.duspec.com.au
Feast Watson PolyU 4060	MC PU	Unknown	www.duspec.com.au
Feast Watson PolyU 4595	MC PU	Unknown	www.duspec.com.au

MC = Moisture Cure

PU = Polyurethane

Oil Modified Coatings (Alkyds & Acid Cures)

Complies to AFTA 2010 guideline of 500 g/L

Does not comply to ATFA 2010 guideline

Product	Type	V.O.C in grams / Litre	Toxicity – refer to Manufacturer MSDS
Toby Tung Oil Seal	Alkyd	<405	www.duspec.com.au
Synteko Classic	Acid cure	<438	http://www.synteko.com.au/products/finishes/contractor.htm
Feast Watson Alkathane	Alkyd Urethane	<475	www.duspec.com.au
Feast Watson Alkathane HS	Alkyd Urethane High Solids	<475	www.duspec.com.au
Bostik Ultrathane	OMU	486	www.bostik.com.au or Request via 1800 621 221
Toby UMO	Urethane Modified Oil	<490	www.duspec.com.au
Premium Classic Acid Cure	Acid Cure	500	www.premiumfloors.com.au
Peerless JAL Dual Coat	OMU	525	http://www.peerlessjal.com.au/msds-pis/peerjal.html
Urethane Coatings Tungseal	Alkyd	542	www.urethanecoatings.com.au
Urethane Coatings Modified Oil Gloss	Modified Alkyd	543	www.urethanecoatings.com.au
Urethane Coatings Modified Oil Satin	Modified Alkyd	555	www.urethanecoatings.com.au
Bostik Tung Oil	Alkyd	556	www.bostik.com.au or Request via 1800 621 221
Feast Watson Tung Oil	Tung Oil Alkyd	<580	www.duspec.com.au
Premium Modified Oil	OMU	600	http://www.premiumfloors.com.au/pdf/pdf706.pdf
Peerless JAL Tung Oil	Alkyd	602	http://www.peerlessjal.com.au/msds-pis/peerjal.html

Please find adhesives on the next page.

Adhesives

Complies to AFTA 2010 guideline of 100 g/L

Does not comply to ATFA 2010 guideline

Product	Type	V.O.C in grams / Litre	Toxicity – refer to Manufacturer MSDS
Bona R850	MC Silane	0	http://www.bona.net.au/Contractors/Products/Adhesives.aspx
Bona R850T	MC Silane	0	http://www.bona.net.au/Contractors/Products/Adhesives.aspx
Loba – Wakol MS260	MC Silane	0	http://www.loba.de/pages_en/lobadur/lobadur.php
Loba – Wakol PU280	Concrete Primer	0	http://www.loba.de/pages_en/lobadur/lobadur.php
Premiumset	MC PU	0	www.peakchemicals.com.au
Stauf PUM 950	MC PU	0	www.stauf.com.au
Stauf SMP 960	MC Silane	0	www.stauf.com.au
Mapei Eco Prim T	Concrete Primer	< 1	www.mapei.com.au
Mapei Mapeprim SP	Concrete Primer	< 1	www.mapei.com.au
Bostik Ultraset SF	MC PU	< 2	www.bostik.com.au or Request via 1800 621 221
Mapei Primer G	Concrete Primer	2.6	www.mapei.com.au
Mapei Triblock	Concrete Primer	< 5	www.mapei.com.au
Mapei Ultrabond P990 1K	MC PU	< 5	www.mapei.com.au
Synteko – Shonox MS Elastic	MC PU	< 5	http://www.schoenox.com/site/data/prod/pdf/en/s/0010172000.f78201fb0.pdf
RLA RL1017	MC PU	6	Request via 1800 242 931
Bostik Timberset	MC WB Latex	15	www.bostik.com.au or Request via 1800 621 221
Sikafloor Primer MB	Primer for adhesive	24	http://www.sika.com.au/cmc/sika_construction_product_listing.htm
Bostik Ultraset Overlay	MC PU	44	www.bostik.com.au or Request via 1800 621 221
RLA GS500 Safe Grip	Polymer	45	Request via 1800 242 931
Sikabond T55J	MC PU	55	http://www.sika.com.au/cmc/sika_construction_product_listing.htm
Sikabond T53	MC PU	64	http://www.sika.com.au/cmc/sika_construction_product_listing.htm
Bostik Ultraset	MC PU	80	www.bostik.com.au or Request via 1800 621 221
Selleys Liquid Nails Direct Stick LF	MC PU	80	http://msds.orica.com/cgi-bin/getmsds.cgi?brand=OnlineSelleysAdhesives&country=AU&style=4
Construction Chemicals Foamgrip	MC PU	85	www.constructionchemicals.com.au
Selleys Liquid Nails Direct Stick	MC PU	92	http://msds.orica.com/cgi-bin/getmsds.cgi?brand=OnlineSelleysAdhesives&country=AU&style=4
Selleys Liquid Nails Direct Stick low odour	MC PU	93	http://msds.orica.com/cgi-bin/getmsds.cgi?brand=OnlineSelleysAdhesives&country=AU&style=4
Bostik AVS AV525	MC PU	97	www.bostik.com.au or Request via 1800 621 221
Holdfast 7800	MC PU	TBA	Request via info@holdfastadhesives.com.au
Stauf WFR 930	Alcohol	326	www.stauf.com.au

MC = Moisture Cure
PU = Polyurethane