

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 Prime Classic	Primer / Sealer	23	http://www.bona.net.au/pdf/MSDS_Prime.pdf
Arboritec Extreme	Primer / Sealer	28	http://www.arboritec.com/files/GB_Xtreme_SDS.pdf
Arboritec Roller Brush	Primer / Sealer	28	http://www.arboritec.com/files/GB_Roller_Brush_SDS.pdf
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
Arboritec Compo	2 pack PU	45	http://www.arboritec.com/files/GB_Compo_SDS.pdf
Arboritec Unic	1 pack PU	45	http://www.arboritec.com/files/GB_Unic_SDS.pdf
Lobadur 2K Duo	2 pack PU	49	http://www.loba.de/pages_en/lobadur/lobadur.php
Bona Mega	1 Pack PU	54	http://www.bona.net.au/pdf/MSDS_Mega.pdf
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 Prime Intense	Primer / Sealer	57	http://www.bona.net.au/pdf/MSDS_Prime.pdf
Lobadur Globaseal	Primer / Sealer	59	http://www.loba.de/pages_en/lobadur/lobadur.php
Toby Aquamax Roller Seal	Primer / Sealer	<60	http://msds.orica.com/cgi-bin/getmsds.cgi?brand=OnlineToby&country=AU&style=99%20
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
Peerless JAL Hy-Traffic	2 pack Hybrid	83	http://www.peerlessjal.com.au/msds-pis/hyseries.html
Synteko Sealmaster	Primer / Sealer	85	http://www.synteko.com.au/products/finishes/contractor.htm
Bona Traffic	2 Pack PU	85	http://www.bona.net.au/pdf/MSDS_Traffic.pdf
Synteko Pro	1 pack PU	85	http://www.synteko.com.au/products/finishes/contractor.htm
Intergrain Enviropro Timberseal	Primer / sealer	91	http://msds.orica.com/cgi-bin/getmsds.cgi?brand=OnlineEnviropro&country=AU&style=99
Toby Aquamax Domestic	1 pack PU	<95	http://msds.orica.com/cgi-bin/getmsds.cgi?brand=OnlineToby&country=AU&style=99%20

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
Intergrain Enviropro Endure	1 pack PU	<95	http://msds.orica.com/cgi-bin/getmsds.cgi?brand=OnlineEnviropro&country=AU&style=99
Premium Aqua Gold	2 pack PU	100	http://www.premiumfloors.com.au/pdf/pdf708.pdf
Bona Naturale Primer	Primer / Sealer	100	http://www.bona.net.au/pdf/MSDS_Prime.pdf
Loba Viva	WBPU	104	http://www.loba.de/pages_en/lobadur/lobadur.php
Synteko Sealmaster	Primer / Sealer	104	http://www.synteko.com.au/products/finishes/contractor.htm
Absolute Coatings Grand	Oil modified	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
Absolute Coatings LNL 1500A	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
Lobadur WS Easy Finish	1 pack PU	105	http://www.loba.de/pages_en/lobadur/lobadur.php
Bostik Natrathane	1 pack PU	106	Request via 1800 621 221
Absolute Coatings Trek	2 pack PU	117	http://www.synteko.com.au/products/finishes/contractor.htm
Lobadur 2K Supra	2 pack PU	118	http://www.loba.de/pages_en/lobadur/lobadur.php
Feast Watson Enviromax	2 pack PU	<130	http://msds.orica.com/pdf/shess-en-cds-010-000000020122.pdf
Synteko Extra	1 pack PU	135	http://www.synteko.com.au/products/finishes/contractor.htm
Polycure Aquapro 8068 Hitek	1 pack PU	Less than 140	www.polycure.com.au
Toby Aquamax Sports	2 pack PU	156	http://msds.orica.com/cgi-bin/getmsds.cgi?brand=OnlineToby&country=AU&style=99%20
Toby Aquamax Commercial	2 pack PU	<175	http://msds.orica.com/cgi-bin/getmsds.cgi?brand=OnlineToby&country=AU&style=99%20
Intergrain Enviropro Endure 2K	2 pack PU	<185	http://msds.orica.com/pdf/shess-en-cds-010-000000021038.pdf
Intergrain Enviropro High Build	1 pack PU	<194	http://msds.orica.com/cgi-bin/getmsds.cgi?brand=OnlineEnviropro&country=AU&style=99

PU = Polyurethane

Brand	Supplier
Absolute Coatings	Synteko
Bona	Ezi Floor Products
Lobadur	Swadesir
Arboritec	Portugal Cork Qld
All other brands are sold by the brand named company	

*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
Arboritec Sprint 100 VOC Free	Urethane Oil	0	www.arboritec.com
Loba 2K Impact Oil	2 pack penetrating oil	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
Treatex Eco	Penetrating Oil	<1	www.whittlewaxes.com.au
Synteko Natural	Penetrating Oil	1	http://www.synteko.com.au/products/finishes/contractor.htm
Livos Koimos Floor Oil	Penetrating Oil	26	www.livos.com.au
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
Toby Tung Oil Seal	Alkyd	<405	http://msds.orica.com/cgi-bin/getmsds.cgi?brand=OnlineToby&country=AU&style=99%20
Livos - Kunos Natural Oil Sealer #244	Penetrating Oil Sealer	429	www.livos.com.au
Synteko Urethane	Alkyd Urethane	448	http://www.synteko.com.au/products/finishes/contractor.htm
Feast Watson Hi Build 55	MC PU	450	http://msds.orica.com/cgi-bin/getmsds.cgi?brand=OnlineFeastWatson&country=AU&style=99%20
Premium High Build	MCPU	450	http://www.premiumfloors.com.au/pdf/pdf701.pdf
Treatex Wax	Hard wax oil	450	http://www.treatex.co.uk/PDFs/Treatex%20Hardwax%20Oil%20Traditional%20Clear%20Satin%2011001.pdf
Toby Supreme	MC PU	450	http://msds.orica.com/cgi-bin/getmsds.cgi?brand=OnlineToby&country=AU&style=99%20
Feast Watson Alkathane	Alkyd Urethane	<475	http://msds.orica.com
Feast Watson Alkathane HS	Alkyd Urethane High Solids	<475	http://msds.orica.com
Bostik Ultrathane	OMU	475	Request via 1800 621 221
W- Waxes Hardwax Oil 41	Oil / wax	480	www.whittlewaxes.com.au
W- Waxes Hardwax Oil	Oil / wax	480	www.whittlewaxes.com.au
Bostik High Solids	MCPU	490	Request via 1800 621 221
Toby UMO	Urethane Modified Oil	<490	http://msds.orica.com/cgi-bin/getmsds.cgi?brand=OnlineToby&country=AU&style=99%20
Synteko Classic	Acid cure	494	http://www.synteko.com.au/products/finishes/contractor.htm

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
Livos - Ardvos Universal Wood Oil #266	Penetrating Oil	498	www.livos.com.au
Feast Watson Quickstep	MC PU Sealer	<500	http://msds.orica.com
Treatex Traditional	Oil / wax	500	www.whittlewaxes.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 Classic Acid Cure	Acid Cure	500	www.premiumfloors.com.au
Monothane HS50	MC PU	500	www.urethanecoatings.com.au
Premium 2 Pack	2 pack PU	520	http://www.premiumfloors.com.au/pdf/pdf704.pdf
Peerless JAL Dual Coat	OMU	525	http://www.peerlessjal.com.au/msds-pis/peerjal.html
Feast Watson PolyU 4595	MC PU	530	http://msds.orica.com/cgi-bin/getmsds.cgi?brand=OnlineFeastWatson&country=AU&style=99%20
Whittle Waxes Object Oil	Penetrating Oil	530	www.whittlewaxes.com.au
Premium Gold	MC PU	530	www.premiumfloors.com.au/pdf/pdf700.pdf
Bostik Moisture Cure	MCPU	530	Request via 1800 621 221
Whittle Waxes PNZ Primer	Penetrating oil	540	www.whittlewaxes.com.au
Toby Lustapol	2 pack PU	540	http://msds.orica.com/cgi-bin/getmsds.cgi?brand=OnlineToby&country=AU&style=99%20
Bostik Tung Oil	Alkyd	550	Request via 1800 621 221
Polycure 1045	MC PU	550	www.polycure.com.au
Monothane 45	MC PU	550	www.urethanecoatings.com.au
Feast Watson Maxithane	MC PU	<555	http://msds.orica.com
Urethane Coatings Duothane	2 pack PU	560	www.urethanecoatings.com.au
Feast Watson Maxithane Non Yellowing	MC PU Aliphatic	<565	http://msds.orica.com
Feast Watson PolyU 4060	MC PU	565	http://msds.orica.com/cgi-bin/getmsds.cgi?brand=OnlineFeastWatson&country=AU&style=99%20
Feast Watson Tung Oil	Tung Oil Alkyd	<580	http://msds.orica.com
Premium Modified Oil	OMU	600	http://www.premiumfloors.com.au/pdf/pdf706.pdf
Monothane 44	MC PU	600	www.urethanecoatings.com.au
Polycure 1044	MC PU	600	www.polycure.com.au
Peerless JAL Tung Oil	Tung Oil Alkyd	602	http://www.peerlessjal.com.au/msds-pis/peerjal.html
Toby Unithane	MC PU	<625	http://msds.orica.com/cgi-bin/getmsds.cgi?brand=OnlineToby&country=AU&style=99%20

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
Bostik Quick Dry Sealer	Vinyl fast Sealer	<685	Request via 1800 621 221
Toby GF Barrier Seal	Vinyl Fast Dry Sealer	<685	http://msds.orica.com/cgi-bin/getmsds.cgi?brand=OnlineToby&country=AU&style=99%20
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	http://msds.orica.com
Feast Watson Maxibuild Primer	Fast Dry Sealer	<770	http://msds.orica.com
Toby Rapid Seal	Vinyl Fast Dry Sealer	<795	http://msds.orica.com/cgi-bin/getmsds.cgi?brand=OnlineToby&country=AU&style=99%20
Polycure 3030	Vinyl Fast Sealer	870	www.polycure.com.au

MC = Moisture Cure

PU = Polyurethane

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
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	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
RLA RL1017	MC PU	6	Request via 1800 242 931
Sikafloor Primer MB	Primer for adhesive	24	http://www.sika.com.au/cmc/sika_construction_product_listing.htm
Bostik Ultraset Overlay	MC PU	44	Request via 1800 621 221
RLA GS500 Safe Grip	Polymer	45	Request via 1800 242 931
Bostik AVS AV525	MC PU	48	Request via 1800 621 221
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 TIM Floor Adhesive	MC PU	80	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
Holdfast 7800	MC PU	TBA	Request via info@holdfastadhesives.com.au
Synteko – Shonox MS Elastic	MC PU	EC1R Compliant	http://www.schoenox.com/site/data/prod/pdf/en/s/0010172000.f78201fb0.pdf

MC = Moisture Cure

PU = Polyurethane