

VOC AND FORMALDEHYDE LIMITS

2020 Los Angeles Green Building Code (Incorporate this form into the plans)



2020 Los Angeles Green Building Code Tables 4.504.1, 4.504.2, 4.504.3, 4.504.5, 5.504.4.1, 5.504.4.2, 5.504.4.3, 5.504.4.5

VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS 2,3 Grams of VOC per Liter of Coating,

Less Water and Less Exempt Compounds		
COATING CATEGORY ^{2,3}	CURRENT LIMIT	
Flat coatings	50	
Nonflat coatings	50	
Nonflat-high gloss coatings	50	
Specialty Coatings		
Aluminum roof coatings	100	
Basement specialty coatings	400	
Bituminous roof coatings	50	
Bituminous roof primers	350	
Bond breakers	350	
Concrete curing compounds	100	
Concrete curing compounds, Roadways &	350	
Bridges	100	
Concrete/masonry sealers	100	
Driveway sealers	50	
Dry fog coatings	50	
Faux finishing coatings	100	
Clear Top Coat	100 350	
Decorative Coatings		
Glazes Japan	350 350	
Trowel Applied Coatings	50	
Fire resistive coatings	150	
Floor coatings	50	
Form-release compounds	100	
Graphic arts coatings (sign paints)	200	
High temperature coatings	420	
Industrial maintenance coatings	100	
Low solids coatings ¹	120	
Magnesite cement coatings	450	
Mastic texture coatings	100	
Mastic texture coatings	150	
Multicolor coatings	250	
Pretreatment wash primers	420	
Primers, sealers, and undercoaters	100	
Reactive penetrating sealers	350	
Recycled coatings	250	
Roof coatings	50	
Roof coatings, aluminum	100	
Roor coatings, authinum	100	
Rust preventative coatings	100	
Shellacs	100	
Clear	730	
Opaque	550	
Specialty primers, sealers and undercoaters	100	
Stains	100	
Stains, Interior	250	
Stans, menor Stone consolidants	450	
Swimming pool coatings	340	
	100	
Traffic marking coatings Tub and tile refinish coatings	420	
	100	
Waterproofing membranes	275	
Wood coatings		
Wood preservatives	350	
Zinc-rich primers ^{1.} Grams of VOC per liter of coating, including water and including	100	

 Grams of VOC per liter of coating, including water and including exempt compounds.
 The specified limits remain in effect unless revised limits are listed in subsequent columns in the table. ³ Some values in this table are derived from those specified by the California Air Resources Board,

Architectural Coatings Suggested Control Measure, February 5, 2016. More information is available from the Air Resources Board.

FORMALDEHYDE LIMITS ¹	
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Maximum Formaldehyde Emissions in Parts per Million.		
PRODUCT	CURRENT LIMIT	
Hardwood plywood veneer core	0.05	
Hardwood plywood composite core	0.05	
Particleboard	0.09	
Medium density fiberboard	0.11	
Thin medium density fiberboard ²	0.13	

^{1.} Values in this table are derived from those specified by the California Air Resources Board, Air Toxics Control Measure for Composite Wood as tested in accordance with ASTM E 1333. For additional information, see *California Code of Regulations*, Title 17, Sections 93120 through 93120.12.

^{2.} Thin medium density fiberboard has a maximum thickness of ⁵/₁₆ inches (8 mm).

SEALANT VOC LIMIT Less Water and Less Exempt Compounds in Grams per Liter		
SEALANTS	CURRENT VOC LIMIT	
Architectural	50	
Marine deck	760	
Nonmembrane roof	300	
Roadway	250	
Single-ply roof membrane	450	
Other	420	
SEALANT PRIMERS		
Architectural		
Nonporous	250	
Porous	775	
Modified bituminous 500	500	
Marine deck	760	
Other	750	
Note: For additional information regarding methods to measure the VOC content specified in		

these tables, see South Coast Air Quality Management District Rule 1168.

ADHESIVE VOC LIMIT 1,2 Less Water and Less Exempt Compounds in Grams per Liter		
ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT	
Indoor carpet adhesives	50	
Carpet pad adhesives	50	
Outdoor carpet adhesives	150	
Wood flooring adhesive	100	
Rubber floor adhesives	60	
Subfloor adhesives	50	
Ceramic tile adhesives	65	
VCT and asphalt tile adhesives	50	
Drywall and panel adhesives	50	
Cove base adhesives	50	
Multipurpose construction adhesives	70	
Structural glazing adhesives	100	
Single-ply roof membrane adhesives	250	
Other adhesives not specifically listed	50	
SPECIALTY APPLICATIONS		
PVC welding	510	
CPVC welding	490	
ABS welding	325	
Plastic cement welding	100	
Adhesive primer for plastic	550	
Contact adhesive	80	
Special purpose contact adhesive	250	
Structural wood member adhesive	140	
Top and trim adhesive	250	
SUBSTRATE SPECIFIC APPLICATIONS		
Metal to metal	30	
Plastic foams	50	
Porous material (except wood)	50	
Wood	30	
Fiberglass	80	

If an adhesive is used to bond dissimilar substrates together, the adhesive with the highest

² For additional information regarding methods to measure the VOC content spacified in this table, see South Coast Air Quality Management District Rule 1168,

http://www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF.

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