



## 2022 California Green Building Code City of Beverly Hills Amendments

### MANDATORY REQUIREMENTS CHECKLIST FOR NON-RESIDENTIAL BUILDINGS (COMPLETE AND INCORPORATE THIS FORM INTO THE PLANS)

ITEM #	CODE SECTION	REQUIREMENT	REFERENCE SHEET (Sheet # or N/A)	COMMENTS  (e.g. note #, detail # or reason for N/A)
<b>PLANNING AND DESIGN</b>				
1.	5.106.1	Storm water pollution prevention		
2.	5.106.4.1.1	Short-term bicycle parking		
3.	5.106.4.1.2	Long-term bicycle parking (≥ 10 vehicular parking spaces)		
4.	5.106.5.3	Electric Vehicle Charging		
5.	5.106.5.3.1	EV capable spaces (Table 5.106.5.3.1) <sup>BH</sup>		
6.	5.106.5.4	Electric vehicle (EV) charging: medium-duty and heavy-duty		
7.	5.106.8	Light pollution reduction		
8.	5.106.10	Grading and Paving		
9.	5.106.12	Shade trees		
<b>WATER EFFICIENCY &amp; CONSERVATION</b>				
10.	5.303.1.1	New Building > 50,000 sq ft – Provide submeters at tenants with > 100gal/day		
11.	5.303.1.2	Excess consumption for any tenant with 1000 gal/day		
12.	5.303.3	Water conserving plumbing fixtures and fittings		
13.	5.303.3.1	– Water closets		
14.	5.303.3.2	– Urinals		
15.	5.303.3.3	– Showerheads		
16.	5.303.3.4	– Faucets and fountains		
17.	5.303.4	Commercial kitchen equipment		
18.	5.304.1	Outdoor potable water use in landscape areas		
19.	5.304.7	Metering outdoor water use <sup>BH</sup>		
20.	5.305.1	Cooling Towers <sup>BH</sup>		
<b>MATERIAL CONSERVATION &amp; RESOURCE EFFICIENCY</b>				
21.	5.407.1	Weather protection		
22.	5.407.2.1	Sprinklers		
23.	5.407.2.2.1	Exterior door protection		
24.	5.407.2.2.2	Flashing		
25.	5.408.1	Construction waste diversion of at least 65%		
26.	5.408.2	Universal waste		
27.	5.408.3	Excavated soil and land clearing debris		
28.	5.410.1	Recycling by occupants		
29.	5.410.2	Commissioning (> 10,000 sq ft.)		
30.	5.410.2.1	– Owner's Project Requirements (OPR)		
31.	5.410.2.2	– Basis of Design (BOD)		
32.	5.410.2.3	– Commissioning plan		
33.	5.410.2.4	– Functional performance testing		
34.	5.410.2.5.1	– Systems manual		
35.	5.410.2.5.2	– Systems operations training		
36.	5.410.2.6	– Commissioning report		
37.	5.410.4	Testing, adjusting and balancing		
38.	5.410.4.2	– Systems		

39.	5.410.4.3	– Procedures		
40.	5.410.4.3.1	– HVAC balancing		
41.	5.410.4.4	– Reporting		
42.	5.410.4.5	– Operation and maintenance manual		
43.	5.410.4.5.1	– Inspections and reports		
<b>ENVIRONMENTAL QUALITY</b>				
44.	5.503.1	Fireplaces		
45.	5.504.1	Temporary ventilation		
46.	5.504.3	Covering of duct openings and protection of mechanical equipment during construction		
47.	5.504.4	Finish material pollutant control		
48.	5.504.4.1	– Adhesives, sealants, and caulks		
49.	5.504.4.3	– Paints and coatings		
50.	5.504.4.3.1	– Aerosol paints and coatings		
51.	5.504.4.3.2	– Verification		
52.	5.504.4.4	Carpet systems		
53.	5.504.4.4.1	Carpet cushion		
54.	5.504.4.4.2	Carpet adhesive		
55.	5.504.4.5	Composite wood products		
56.	5.504.4.6	Resilient flooring systems		
57.	5.504.5.3	Filters		
58.	5.504.7	Environmental tobacco smoke (ETS) control		
59.	5.505.1	Indoor moisture control		
60.	5.506.1	Outside air delivery		
61.	5.506.2	Carbon dioxide (CO <sub>2</sub> ) monitoring		
62.	5.507.4.1	Exterior noise transmission prescriptive method $\geq 65$ CNEL		
		– Exterior noise transmission for roof		
		– Exterior noise transmission for walls		
		– Exterior noise transmission for windows		
63.	5.507.4.2	Exterior noise transmission performance method		
64.	5.507.4.3	Interior sound transmission		
65.	5.508.1	Ozone depletion and greenhouse gas reductions		
66.	5.508.2	Supermarket refrigerant leak reduction		

**TABLE 4.504.3/TABLE 5.504.4.3**  
**VOC CONTENT LIMITS FOR ARCHITECTURAL COATING<sup>2,3</sup>**  
 Grams of VOC per Liter of Coating,  
 Less Water and Less Exempt Compounds

COATING CATEGORY	VOC LIMIT	COATING CATEGORY	VOC LIMIT
Flat coatings	50	Magnesite cement coatings	450
Nonflat coatings	100	Mastic texture coatings	100
Nonflat high-gloss coatings	150	Metallic pigmented coatings	500
<b>SPECIALTY COATINGS</b>		Multi-color coatings	250
Aluminum roof coating	400	Pretreatment wash primers	420
Basement specialty coatings	400	Primers, sealers, and undercoaters	100
Bituminous roof coatings	50	Reactive penetrating sealers	350
Bituminous roof primers	350	Recycled coatings	250
Bond breakers	350	Roof coatings	50
Concrete curing compounds	350	Rust preventative coatings	250
Concrete/masonry sealers	100	Shellacs: Clear Opaque	730 550
Driveway sealers	50	Specialty primers, sealers and undercoaters	100
Dry fog coatings	150	Stains	250
Faux finishing coatings	350	Stone consolidants	450
Fire resistive coatings	350	Swimming pool coatings	340
Floor coatings	100	Traffic marking coatings	100
Form-release compounds	250	Tub and tile refinish coatings	420
Graphic arts coatings (sign paints)	500	Waterproofing membranes	250
High-temperature coatings	420	Wood coatings	275
Industrial maintenance coatings	250	Wood preservatives	350
Low solids coatings <sup>1</sup>	120	Zinc-rich primer	340

1. Grams of VOC per liter of coating, including water and including exempt compounds.
2. The specified limits remain in effect unless revised limits are listed in subsequent columns in the table.
3. Values in this table are derived from those specified by the California Air Resources Board, Architectural Coatings Suggested Control Measure, February 1, 2008. More information is available from the Air Resources Board.

**TABLE 4.504.1/TABLE 5.504.4.1  
ADHESIVE VOC LIMIT<sup>1,2</sup>**

Grams of VOC per Liter of Coating,  
Less Water and Less Exempt Compounds

<b>ARCHITECTURAL APPLICATIONS</b>	<b>CURRENT VOC LIMIT</b>
Indoor carpet adhesives	50
Carpet pad adhesives	50
Outdoor carpet pad adhesives	150
Wood flooring adhesives	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	50
<b>SPECIALITY APPLICATIONS</b>	
PVC welding	510
CPVC welding	490
ABS welding	325
Plastic cement welding	250
Adhesive primer for plastic	550
Contact adhesive	80
Special purpose contact adhesive	250
Structural wood member adhesive	140
Top and trim adhesive	250
<b>SUBSTRATE SPECIFIC APPLICATIONS</b>	
Metal to metal	30
Plastic foams	50
Porous material (except wood)	50
Wood	30
Fiberglass	80

1. If an adhesive is used to bond dissimilar substrates together, the adhesive with the highest VOC content shall be allowed.
2. For additional information regarding methods to measure the VOC content specified in this table, see South Coast Air Quality Management District Rule 1168

TABLE 4.504.2/TABLE 5.504.4.2 SEALANT VOC LIMIT Less Water and Less Exempt Compounds in Grams Per Liter	
SEALANTS	CURRENT VOC LIMIT
Architectural	250
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
Marine deck	760
Other	750
Note: For additional information regarding methods to measure the VOC content specified in this table, see South Coast Air Quality Management District Rule 1168.	

TABLE 4.504.5/TABLE 5.504.4.5 FORMALDEHYDE LIMITS <sup>1</sup> 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 <sup>2</sup>	0.13
<ol style="list-style-type: none"> <li>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 <i>California Code of Regulations</i>, Title 17, Section 93120 through 93120.12.</li> <li>2. Thin medium density fiberboard has a maximum thickness 5/16 inch (8mm).</li> </ol>	