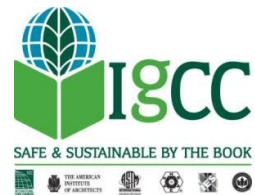


City of Scottsdale

2021 International Green Construction Code (IgCC)

Building Product Emissions Checklist



rev. 10-26-23

The intent of this checklist is to list the product emission limits in Section 801.4.2 of the amended International Green Construction Code (IgCC). The section reads as follows:

801.4.2 Materials. Reported emissions or volatile organic compound (VOC) contents specified in the following subsections shall be from a representative product sample. Products certified under third-party certification programs as meeting the specific emission requirements listed in the following subsections shall be deemed to comply.

- 801.4.2.1 Adhesives and sealants.** Not less than 85% by weight or volume of site-applied adhesives and sealants used on the interior of the building envelope shall comply with the VOC content limits in Table 801.4.2.1.

Table 801.4.2.1 – Adhesives and Sealants VOC Content Limits

ADHESIVES	VOC Limits grams/liter
Building envelope membrane adhesive	250
Carpet and carpet pad adhesives	50
Ceramic Tile Adhesives	65
Cove base adhesives	50
Drywall and panel adhesives	50
Multipurpose construction adhesives	70
Rubber floor adhesives	60
Structural Glazing Adhesives	100
Subfloor adhesive	50
VCT and asphalt tile adhesives	50
Wood flooring adhesives	100
SEALANTS	
Architectural sealants including foam and grout	250

- 801.4.2.2 Paints and coatings.** Not less than 85% by weight or volume of site-applied paints and coatings used on the interior of the building envelope shall comply with the VOC content limits of Table 801.4.2.2.

Table 801.4.2.2 – Paints and Coatings VOC Limits

PAINTS AND COATINGS	VOC Limits grams/liter
Flat paints	50
Nonflat paints	50
Nonflat high-gloss paints	150
SPECIALTY COATINGS	
Concrete and masonry sealers	100
Floor coatings	50
Primers, sealants and undercoats	100
Stains	250
Wood coatings	275

- 801.4.2.3 Floor covering materials.** Not less than 85% of total area of flooring installed within the interior the building envelope shall comply with the VOC emission limits of Table 801.4.2.3 or Table 801.4.2.3.1.

Table 801.4.2.3 – Floor Covering VOC Emission Limits

VOC	Limit
Individual	≤½ CA chronic REL ^a
Formaldehyde	≤16.5 µg/m ³ or ≤13.5 ppb

^a CA Chronic Reference Exposure Level (CREL).

Table 801.4.2.3.1 – Floor Covering Materials Deemed to Comply with VOC Emission Limits

Ceramic and concrete tile	Concrete masonry
Natural stone	Concrete
Gypsum plaster	Metal
Clay masonry	

Floor covering materials certified under nationally recognized third-party low-emission certification programs such as Carpet and Rug Institute Green Label Plus, Resilient Floor Covering Institute FloorScore and UL GreenGuard, are deemed to comply.

- 801.4.2.4 Composite woods, agrifiber products and laminated products.** Composite wood and laminated products applied on the interior of the building shall comply with the VOC emission limits of Section 801.4.2.4. See IgCC.
- 801.4.2.6 Acoustical ceiling tiles and wall systems.** Not less than 85% of total area of acoustical ceiling tiles and wall systems applied on the interior of the building envelope shall comply with the VOC emission limits of Table 801.4.2.6 or Table 801.4.2.6.1.

Table 801.4.2.6 – Acoustical Ceiling Tiles and Wall Products VOC Emission Limits

VOC	Limit
Individual	≤½ CA chronic REL ^a
Formaldehyde	≤16.5 µg/m ³ or ≤13.5 ppb

^a CA Chronic Reference Exposure Level (CREL).

Table 801.4.2.6.1 – Ceiling and Wall Products Deemed to Comply with VOC Emission Limits

Ceramic and concrete tile	Concrete masonry
Natural stone	Concrete
Gypsum plaster	Metal
Clay masonry	

Ceiling tiles and wall system products certified under nationally recognized third-party low-emission certification programs such as UL GreenGuard are deemed to comply.

Scottsdale green code link – <https://www.scottsdaleaz.gov/green-building-program/green-codes>