# **CALIFORNIA BUILDING STANDARDS COMMISSION**

# **DIVISION OF THE STATE ARCHITECT**

December 9, 2020

2022 CALGREEN

WORKSHOP

Agenda Item 5A, 5B, & 5C

**DRAFT EXPRESS TERMS**

**CALIFORNIA GREEN BUILDING STANDARDS CODE,**

**(CALGreen), PART 11,**

**CALIFORNIA BUILDING STANDARDS CODE,**

**TITLE 24, CALIFORNIA CODE OF REGULATIONS**

If using assistive technology, please adjust your settings to recognize underline, strikeout and ellipsis.

## LEGEND for EXPRESS TERMS

* Existing California amendments appear upright
* Amended or new California amendments appear underlined
* Repealed California language appears ~~upright and in strikeout~~
* Ellipsis (…) indicate existing text remains unchanged

## A5.504.4.8 Thermal Insulation Tier 1 &

## A5.504.4.8.1 Thermal Insulation Tier 2

## (Voluntary and mandatory Measures)

## A5.504.4.9 Acoustical Ceilings and Wall Panels

## (Mandatory Measures)

**SECTION 5.504**

**POLLUTANT CONTROL**

**. . .**

## ITEM 5A-CO-ADOPTED BY DSA

**Rationale:** BSC-CG and DSA proposes to amend to move Thermal Insulation Tier 1 Section A5.504.4.8 and related sub-sections from the voluntary measures to mandatory.

Adding these amendments will afford greater protection of public health by requiring that installed thermal insulation and acoustical ceiling and wall panels meet the more restrictive CDPD standard. This amendment has limited impact on the affected building community in California. A majority of these products already meet the required limits, and LEED v4 gives low-emitting material credits for these products. Considering the availability of these products in the market, we believe that such requirements will be readily accepted by the current market and many manufacturers. These amendments have been recommended and have the support from California Air Resources Board (CARB), California department of Public Health (CDPH), Under writers Laboratory (UL), and USGBC.

*[Section A5.504.4.8 has been moved to a new mandatory Section 5.504.4.6 shown below and new Section 5.504.4.6.1 language has been duplicated from A5.504.4.8.2]*

**5.504.4.6 Thermal insulation.** Comply with the requirements of the California Department of Public Health, “Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers,” Version 1.2, January 2017 (Emission testing method for California Specification 01350).

See [California Department of Public Health’s website](https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material) for certification programs and testing labs.

https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

**5.504.4.6.1 Verification of compliance.** Documentation shall be provided verifying that thermal insulation materials meet the pollutant emission limits.

## ITEM 5C-CO-DOPTED BY DSA

**Rationale:** BSC-CG and DSA proposes to move Acoustical Ceilings and Wall Panels Section A5.504.9 and related sub-sections from the voluntary measures to mandatory.

Adding these amendments will afford greater protection of public health by requiring that installed thermal insulation and acoustical ceiling and wall panels meet the more restrictive CDPD standard. This amendment has limited impact on the affected building community in California. A majority of these products already meet the required limits, and LEED v4 gives low-emitting material credits for these products. Considering the availability of these products in the market, we believe that such requirements will be readily accepted by the current market and many manufacturers. These amendments have been recommended and have the support from California Air Resources Board (CARB), California department of Public Health (CDPH), Under writers Laboratory (UL), and USGBC.

*[Section A5.504.4.9 and A5.504.9.1 has been moved to a new mandatory Sections 5.504.7 and 5.504.7.1 shown below]*

**5.504.4.7 Acoustical ceilings and wall panels.** Comply with the requirements of the California Department of Public Health, “Standard Method for the Testing and Eval-uation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers,” Version 1.2, January 2017 (Emission testing method for California Specification 01350).

See [California Department of Public Health’s website](https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material) for certification programs and testing labs.

https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

**5.504.4.7.1 Verification of compliance.** Documentation shall be provided verifying that acoustical finish materials meet the pollutant emission limits.

**5.504.~~7~~ 8 Environmental tobacco smoke (ETS) control.**

Where outdoor areas are provided for smoking, …

**SECTION A5.504**

**POLLUTANT CONTROL**

**. . .**

**A5.504.4.7** **Resilient flooring systems, Tier 1.** …

**A5.504.4.7.1 Resilient flooring systems, Tier 2.** When resilient flooring is installed…

*[Section A5.504.4.8 has been relocated to a new mandatory Section 5.504.4.6]*

**~~A5.504.4.8 Thermal insulation, Tier 1.~~** ~~Comply with the requirements of the California Department of Public Health, “Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers,” Version 1.2, January 2017 (Emission testing method for California Specification 01350).~~

~~See California Department of Public Health’s website for certification programs and testing labs.~~

~~https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material~~

## ITEM 5B-NOT ADOPTED BY DSA

**Rationale:** BSC-CG is proposing to move voluntary Section A5.504.4.8.1 Thermal Insulation Tier 2 into Tier 1.

*[Section A5.504.4.8.1 has been renumbered to A5.504.4.8 with the Tier 2 moving to Tier 1. Also, A5.504.4.8.2 has been renumbered to A5.504.8.1]*

**A5.504.4.8~~.1~~ Thermal insulation, Tier ~~2~~ 1.** Thermal insulation, No-added Formaldehyde. Install thermal insulation which complies with Tier 1 plus does not contain any added formaldehyde.

**A5.504.4.8.~~2~~ 1 Verification of compliance.** Documentation shall be provided verifying that thermal insulation materials meet the pollutant emission limits.

*[Section A5.504.4.9 and A5.504.9.1 has been relocated to a new mandatory Sections 5.504.7 and 5.504.7.1]*

**~~A5.504.4.9 Acoustical ceilings and wall panels.~~** ~~Comply with the requirements of the California Department of Public Health, “Standard Method for the Testing and Eval-uation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers,” Version 1.2, January 2017 (Emission testing method for California Specification 01350).~~

~~See California Department of Public Health’s website for certification programs and testing labs.~~

~~https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material~~

**~~A5.504.4.9.1 Verification of compliance.~~** ~~Documentation shall be provided verifying that acoustical finish materials meet the pollutant emission limits.~~