

SCS Indoor Advantage™ + Formaldehyde Free Certification Requirements

A product certified as “Formaldehyde Free” by SCS shall conform to the following requirements:

1. Prerequisite: Certification to SCS Indoor Advantage™ Gold, which is the SCS program for building products that meet the VOC emission requirements of California Section 01350 as described in CA Department of Health Services Standard Practice CA/DHS/EHLB/R-174.

SCS Indoor Advantage™ Gold certified products are evaluated under the criteria of SCS-EC 10.2 2007, *Indoor Air Quality Performance*. This Standard establishes the requirements of the SCS environmental certification program, including site audits to assess documented control systems, including quality control plans and record keeping, and to select product samples for laboratory testing.

2. The Formaldehyde Free claim shall be verified by the following:

- a. Formaldehyde Content—No Added Formaldehyde

- i. Statement of compliance

1. Manufacturer will state in a letter¹, signed by an authorized representative and submitted to SCS, that, for the product(s) under review
 - a. There is no added formaldehyde
 - b. There are no added formaldehyde polymers
 - c. There are no added formaldehyde precursors, and,
 - d. No formation or release of formaldehyde is expected under normal service conditions for the product(s)
2. Suppliers of components used in the manufacturing of the product(s) under review will state in a letter¹, signed by an authorized representative and submitted to SCS, that, for the component(s) provided to the manufacturer
 - a. There is no added formaldehyde
 - b. There are no added formaldehyde polymers
 - c. There are no added formaldehyde precursors, and,
 - d. No formation or release of formaldehyde is expected under normal service conditions for the component(s)

¹ There is no lower limit set for the reporting of formaldehyde, formaldehyde polymers, formaldehyde precursors or the expected formation of formaldehyde. The known presence of any amount of formaldehyde shall prevent a product or component from satisfying the requirements.

ii. Material Safety Data Sheets

1. Manufacturer will submit all Material Safety Data Sheets for the product(s) under review to assure that the product contains no formaldehyde.²
2. Suppliers will submit all Material Safety Data Sheets for the component(s) provided to the manufacturer to assure that assure that all components contain no formaldehyde.

b. Formaldehyde Emission—No detectable formaldehyde

- i. The measured formaldehyde emission factor (the area-specific emission rate) shall not exceed $3 \mu\text{g}/\text{m}^2\text{-h}$ when the product is tested for conformance to Indoor Advantage™ Gold using Standard Practice CA/DHS/EHLB/R-174.

An emission factor of $3 \mu\text{g}/\text{m}^2\text{-h}$ is obtained with a chamber concentration of $1.5 \mu\text{g}/\text{m}^3$, or less, when using a typical product sample loading ratio in the test chamber of $0.5 \text{ m}^2/\text{m}^3$. This chamber concentration approximates the typical lower limit of quantification for formaldehyde of $1 \mu\text{g}/\text{m}^3$ under Standard Practice CA/DHS/EHLB/R-174.

² Material Safety Data Sheets are required to report the chemical and common name(s) of all ingredients which have been determined to be health hazards, and which comprise 1% or greater of the composition, except that chemicals identified as carcinogens [i.e. formaldehyde] shall be listed if the concentrations are 0.1% or greater.