

Sansin Red List Declaration and VOC Emission Test Certificate

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THE SANSIN CORPORATION

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May 4, 2023

To Whom it May Concern,

This letter confirms Sansin's Precision Coat Purity Interior Glacier, Purity Interior Clear, SDF Topcoat and EOS-S, to the best of our knowledge, do not contain any chemicals listed on **Version 4.0 (March 2022)** of the Living Building Challenge Red List.

In addition to disclosure we have provided, we certify that we have reviewed our proprietary and undisclosed materials against the Living Building Challenge **Version 4.0 (March 2022) Red List**, and hereby affirm that none of the proprietary or undisclosed ingredients in this product contains any intentionally added chemicals on the Living Building **Version 4.0 (March 2022) Red List**, which include the following chemical families:

- Antimicrobials (marketed with a health claim)
- Alkylphenols and related compounds
- Asbestos compounds
- Bisphenol A (BPA) and structural analogues
- California-banned solvents
- Chlorinated Polymers, including: Chlorinated polyethylene (CPE); Chlorinated polyvinyl chloride (CPVC); Chloroprene (neoprene monomer); Chlorosulfonated polyethylene (CSPE); Polyvinylidene chloride (PVDC); Polyvinyl chloride (PVC)
- Chlorobenzenes
- Chlorofluorocarbons (CFCs) and hydrochlorofluorocarbons (HCFCs)
- Formaldehyde (added)
- Monomeric, polymeric, and organophosphate halogenated flame retardants (HFRs)
- Organotin compounds
- Perchloroethylene (CAS# 127-18-4)
- Perfluorinated compounds (PFCs)
- Phthalates (orthophthalates)
- Polychlorinated biphenyls (PCBs)
- Polycyclic aromatic hydrocarbons (PAHs)
- Short-chain and medium-chain chlorinated paraffins
- Toxic heavy metals: Arsenic, Cadmium, Chromium, Lead (added), Mercury
- Wood treatments containing creosote or pentachlorophenol

The Actual and Regulatory VOC Content of these products are:

- Precision Coat Purity Interior Glacier – 79/248 g/L
- Precision Coat Purity Interior Cear – 33/82 g/L
- Precision Coat SDF Topcoat - 74/210 g/L
- EOS-S – 32/152 g/L

EPA Test Method 24 is used for the VOC calculation.

Sincerely,
The Sansin Corporation

James MacKinnon
Senior Chemist

COMPLIANCE TESTED by berkeley analytical — VOC Emission Test Certificate

Product Name: P-8515

Company	The Sansin Corporation	Certificate No.	210729-04
Company Website	www.sansin.com	Certified By	Raja S. Tannous, Laboratory Director
Product Type	Paints & Coatings	Date	July 29, 2021
Date Produced	May 6, 2021		

Reference Standard: California Department of Public Health CDPH/EHLB/Standard Method Version 1.2, 2017
(Emission testing method for CA Specification 01350)

Exposure Scenario	Individual VOCs Criterion	Compliant?	Formaldehyde Criterion	Compliant?	TVOC Range
School Classroom	≤½ Chronic REL	YES	≤9.0 µg/m ³	YES	> 0.5 - 4.9 mg/m ³
Private Office	≤½ Chronic REL	YES	≤9.0 µg/m ³	YES	> 0.5 - 4.9 mg/m ³

Product Coverage: 187 g/m²

Standards & Codes Recognizing CDPH Standard Method V1.2 (partial list)

- USGBC LEED Version 4/4.1, BD&C, ID&C, Residential BD&C Multifamily
- The WELL Building Standard, WELL v2, Feature X06
- ANSI/GBI 01-2019 Green Globes Assessment Protocol
- ANSI/ASHRAE/USGBC/IES Standard 189.1

Narrative: The Sansin Corporation selected a sample representative of its P-8515 wood finish product and submitted it on 7/6/2021 for testing. Berkeley Analytical measured and evaluated the emissions of VOCs from this sample following CDPH/EHLB/Standard Method V1.2-2017. The results of the test are presented in Berkeley Analytical report, 1090-003-06A-Jul2921.