Fraunhofer
WKI

CERTIFICATE

CARB
CALIFORNIA

No. 1341-2020-05-TPC-4

By order of the State of California - Air Resources Board, according to the executive order W-18-004, relating to ARB approval of third party certifiers under Section 93120.4, Title 17, California Code of Regulations

CETPC
CARB notified TPC 4

Fraunhofer Institute for Wood Research

Wilhelm-Klauditz-Institut WKI
Bienroder Weg 54E, 38108 Braunschweig, Germany

has 1) verified the accuracy of the emission test procedures and facilities used by the composite wood product manufacturer to conduct formaldehyde emission tests, 2) monitored the manufacturers quality assurance programs, 3) has assessed that the below mentioned product fulfils the emission requirement according to table 1 of § 93120.2 of **Phase 2** - see qualification and correlation test reports provided to the manufacturer and 4) provided independent audits and inspections as an ARB approved third party certifier according supervision contract No. 1341 with the manufacturer

DAkkS
Deutsche
Akkreditierungsstelle
D-ZE-11140-02-00

SWISS KRONO AG
Willisauerstr. 37
6122 Menznau
Switzerland

for the product:

COREPEL

thin MDF, melamine resin+PU, unfaced
in the thickness range: 4 mm ≤ 7 mm

This certificate is valid as long as the continuous supervision, quarterly per year will be carried out by WKI. For more information about ARB's program, please visit ARB at: http://www.arb.ca.gov/toxics/compwood/certifiers.htm.

Mitglied des Verbandes der Materialprüfungsanstalten

Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V., München

Executive Board
Prof. Dr.-Ing. habil. Prof. E. h.
Dr.-Ing. E. h. mult. Dr. h. c. mult.
Reimund Neugebauer, Präsident
Prof. Dr. rer. publ. ass. iur. Alexander Kurz
Dipl.-Kfm. Andreas Meuer
Prof. Dr. rer. nat. habil. Ralf B. Wehrspohn

Dipl.-Ing. Harald Schwab
Head of the Third Party Certifier
Braunschweig, May 8, 2020

Durch die oberste Bauaufsichtsbehörde anerkannte Überwachungs- und Zertifizierungsstelle
ÜZ
Wilhelm-Klauditz-Institut WKI Braunschweig

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CERTIFICATE

No. 1341-2020-05-TPC-4

According to the Toxic Substances Control Act (TSCA) Title VI § 770.7 (c)(4)(i)(A)-(F)
Formaldehyde Emission Standards for Composite Wood Products

Fraunhofer Institute for Wood Research
Wilhelm-Klauditz-Institut WKI
Bienroder Weg 54E, 38108 Braunschweig, Germany

TSCA Title VI

as third-party certifier approved by Environmental Protection Agency (EPA) has

A) verified that the panel producer quality assurance and quality control procedures are complying with the reguirements
B) verified the panel producers quality control test results
C) established a quality control limit (QCL) for the product type
D) verified that the producer has established a process that will be used if products exceed the QCL
E) provided the CARB or EPA TPC number to the panel producer for labelling and recordkeeping and
F) inspected the panel producers factory production control (FPC), its products and carries out the ongoing control of the FPC quarterly.

DAkkS Deutsche Akkreditierungsstelle D-ZE-11140-02-00

A certification contract No. 1341 with the panel producer

SWISS KRONO AG
Willisauerstr. 37
6122 Menznau
Switzerland

was concluded for the product

COREPEL

thin MDF, melamine resin+PU, unfaced
in the thickness range: 4 mm ≤ 7 mm

which was assessed as compliant with formaldehyde emission standards of TSCA Title VI § 770.10 (b).

This certificate is valid as long as the continuous supervision, quarterly per year will be carried out by Fraunhofer WKI. For more information about TSCA Title VI, please visit EPA at: https://www.federalregister.gov/documents/2016/12/12/2016-27987/formaldehyde-emission-standards-for-composite-wood-products

Mitglied des Verbandes der Materialprüfungsanstalten

Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V., München

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Dipl.-Ing. Harald Schwab
Head of the Testing, Supervision and Certifying Body
Braunschweig, May 8, 2020

Durch die oberste Bauaufsichtsbehörde anerkannte Überwachungs- und Zertifizierungsstelle - ÜZ Wilhelm-Klauditz-Institut WKI Braunschweig

CERTIFICATE
OF COMPLIANCE

Swiss Krono AG (Switzerland)

COREPEL / DEC - Melamine Surface

173934-420
Certificate Number

05/21/2020 - 05/21/2021
Certificate Period

Certified
Status

UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings

Flooring products are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using an Office and Classroom Environment.

Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2.

UL investigated representative samples of the identified Product(s) to the identified Standard(s) or other requirements in accordance with the agreements and any applicable program service terms in place between UL and the Certificate Holder (collectively "Agreement"). The Certificate Holder is authorized to use the UL Mark for the identified Product(s) manufactured at the production site(s) covered by the UL Test Report, in accordance with the terms of the Agreement. This Certificate is valid for the identified dates unless there is non-compliance with the Agreement.

GREENGUARD Gold Certification Criteria for Building Products and Interior Finishes

Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC (A)	-	0.22	mg/m³
Formaldehyde	50-00-0	9 (7.3 ppb)	µg/m³
Total Aldehydes (B)	-	0.043	ppm
4-Phenylcyclohexene	4994-16-5	6.5	µg/m³
Particle Matter less than 10 µm (C)	-	20	µg/m³
1-Methyl-2-pyrrolidinone (D)	872-50-4	160	µg/m³
Individual VOCs (E)	-	1/2 CREL or 1/100th TLV	-

(A) Defined to be the total response of measured VOCs falling within the C_6 – C_{16} range, with responses calibrated to a toluene surrogate. Maximum allowable predicted TVOC concentrations for GREENGUARD Gold (0.22 mg/m³) fall in the range of 0.5 mg/m³ or less, as specified in CDPH Standard Method v1.2.

(B) The sum of all measured normal aldehydes from formaldehyde through nonanal, plus benzaldehyde, individually calibrated to a compound specific standard. Heptanal through nonanal are measured via TD/GC/MS analysis and the remaining aldehydes are measured using HPLC/UV analysis.

(C) Particle emission requirement only applicable to HVAC Duct Products with exposed surface area in air streams (a forced air test with specific test method) and for wood finishing (sanding) systems.

(D) Based on the CA Prop 65 Maximum Allowable Dose Level for inhalation of 3,200 µg/day and an inhalation rate of 20 m³/day

(E) Allowable levels for chemicals not listed are derived from the lower of 1/2 the California Office of Environmental Health Hazard Assessment (OEHHA) Chronic Reference Exposure Level (CREL) as required per the CDPH/EHLB/Standard Method v1.2 and BIFMA level credit 7.6.2 and 1/100th of the Threshold Limit Value (TLV) industrial work place standard (Reference: American Conference of Government Industrial Hygienists, 6500 Glenway, Building D-7, and Cincinnati, OH 45211-4438).

UL investigated representative samples of the identified Product(s) to the identified Standard(s) or other requirements in accordance with the agreements and any applicable program service terms in place between UL and the Certificate Holder (collectively "Agreement"). The Certificate Holder is authorized to use the UL Mark for the identified Product(s) manufactured at the production site(s) covered by the UL Test Report, in accordance with the terms of the Agreement. This Certificate is valid for the identified dates unless there is non-compliance with the Agreement.

SCS Global Services does hereby certify that an independent assessment has been conducted on behalf of:

SWISS KRONO AG

37 Willisauerstrasse, Menznau, Switzerland

For the following product(s):

Vinyl Tile:

COREPEL-V *(Maximum Thickness: 8.0mm)*

The product(s) meet(s) all of the necessary qualifications to be certified for the following claim(s):

FloorScore®

Indoor Air Quality Certified to SCS-EC10.3-2014 v4.0

Conforms to the CDPH/EHLB Standard Method v1.2-2017 (California Section 01350), effective April 1, 2017, for the school classroom and private office parameters when modeled as Flooring.

Measured Concentration of Total Volatile Organic Compounds (TVOC): Less than/equal to 0.5 mg/m^3 (in compliance with CDPH/EHLB Standard Method v1.2-2017)

Registration # SCS-FS-06230

Valid from: January 1, 2021 to December 31, 2021

SCS Global Services is currently the only certification body approved by the Resilient Floor Covering Institute (RFCI) to provide FloorScore® product certification; certified products are only listed on the SCS Green Products Guide, http://www.scsglobalservices.com/certified-green-products-guide.

floor score

CERTIFIED BY SCS Global Services

ANSI ACCREDITED

ISO/IEC 17065
Product Certification Body
#0821

SCSglobal SERVICES

Stanley Mathuram, PE, Vice President
SCS Global Services
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