

CE TEST CERTIFICATE

FOR PERFORMANCE CHARACTERISTICS OF CONSTRUCTION PRODUCTS FOR THE CE MARKING

FLO-21-11-26-01

Product: MMF floor covering with structure FN

Client: Kronoflooring Sp. z o.o.
ul. Przemysłowa 10
38-200 JASŁO
POLEN

Order: Determination of the anti-sliding property according to EN 13893:2002-11 /
Classification according to EN 14041:2004+AC:2005+AC:2006

Test report: 2721545

Test results: The above mentioned product can be classified regarding to the tested property
„Anti-sliding property“ according to EN 14041:2004+AC:2005+AC:2006
(CE-labelling) as follows:

Property	Determined value	Declaration according to EN 14041:2004 + AC:2005 +AC:2006
Anti-sliding property according to EN 13893:2002-11	$\mu = 0,57$	class DS

Dresden, 26/11/2021

R. Emmerich

Head of laboratory



S.V. Pusch

Engineer in charge

TEST CERTIFICATE

ST-22-09-15-01

Products: MMF Floor covering with surface structure: FN, PT

Producer: Kronoflooring Sp. z o.o.
Ms. Magdalena Kolbusz
ul. Przemysłowa 10
38-200 JASŁO
POLEN

Order: Determination of slip resistance of floor coverings –
Methods of evaluation according to EN 16165:2021-10, Annex A
(barefoot ramp test)

Test Reports: 2722239, 2722372

Test Results:

Structure	Property	Anti-slip class according to EN 16165:2021-10, National Annex NB (informative), Table NB.2
FN	Slip resistance of floor coverings – Methods of evaluation according to EN 16165:2021-10, Annex A (barefoot ramp test)	A
PT		A

Dresden, 15/09/2022


Head of laboratory




Engineer in charge

TEST CERTIFICATE

ST-21-07-30-01

Product: MMF floor covering with strukture SO

Client: Kronoflooring Sp. z o.o.
ul. Przemysłowa 10
38-200 JASŁO
POLEN

Order: Determination of the anti-slip properties according to DIN 51097:1992-11

Test report: 2721373

Test result:

Property	Result	Quality class according to DIN 51097:1992-11 / GUV-I 8527:1999
Anti-slip resistance according to DIN 51097:1992-11	12,0°	A

Dresden, 30/07/2021

i.v. R. B. 181

Head of laboratory



i.v. [Signature]

Engineer in charge

TEST CERTIFICATE

ST-23-10-26-02

Product: MMF floor covering and wall covering with structure PT

Producer: Kronoflooring Sp. z o.o.
ul. Przemysłowa 10
38-200 Jasło
Poland

Order: Determination of slip resistance of floor coverings - Methods of evaluation according to EN 16165:2021-10, Annex B (Shod ramp test - walking on an inclinable walkway)

Test Report: 2723564

Test Result:

Property	Anti-Slip Class according to EN 16165:2022-02, National Annex NB (informative), Table NB.2
Slip resistance of floor coverings - Methods of evaluation according to EN 16165:2021-10, Annex B (Shod ramp test - walking on an inclinable walkway)	R9

Dresden, 26/10/2023



Head of laboratory




Engineer in charge

TEST CERTIFICATE

ST-21-11-26-01

Product: MMF floor covering with structure FN

Client: Kronoflooring Sp. z o.o.
ul. Przemysłowa 10
38-200 JASŁO
POLEN

Order: Determination of the anti-slip properties according to DIN 51130:2014-02

Test report: 2721545

Test result:

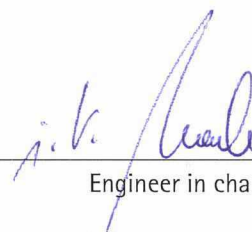
Property	Result	Anti-slip class according to DIN 51130:2014-02
Anti-slip resistance according to DIN 51130:2014-02	$\alpha_{ges} = 14,9^\circ$	R10

α_{ges} ... Total acceptance angle

Dresden, 26/11/2021



Head of laboratory

Engineer in charge

CE TEST CERTIFICATE

FOR PERFORMANCE CHARACTERISTICS OF CONSTRUCTION PRODUCTS FOR THE CE MARKING

FLO-23-09-18-02

Products: MMF floor covering, thickness: 4,5 mm, Structures: FN, SO, HS

Client: Kronoflooring Sp. Z o.o., ul. Przemysłowa 10, 38-200 Jasło, Poland

Order: Testing and classification of selected properties
according to EN 14041:2004+AC:2005+AC:2006 (CE marking)

Test Reports: 2723312, 2721545

Test Results:

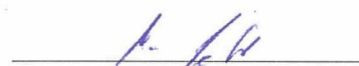
Property	Result	Declaration according to EN 14041:2004 +AC:2005+AC:2006
Reaction to fire performance according to EN ISO 9239-1:2010-06 and EN ISO 11925-2:2020-03; Classification according to EN 13501-1:2018-12 - Critical heat flux - Smoke production	8,8 kW / m ² 50 % x min	Fire class B _{fl} -s1*
Sliding behaviour according to EN 13893:2002-11	μ = 0,57 - 0,66	Class DS
Thermal resistance according to EN 12667:2001-01	0,00814 (m ² K)/W	0,008 (m ² K)/W

* Valid on wooden or mineral subfloor in end use application, using adhesives or not.

Dresden, 18/09/2023


Head of laboratory




Engineer in charge

1. Unique identification code of the product type:

MMF floor covering

(thickness 5 mm, with or without iXPE underlayment)

2. Intended use(s):

Floor covering for indoor use in accordance with harmonized standard EN 14041:2004/AC:2006 and the producer specification.

3. Name and contact address of the manufacturer:

Kronoflooring Sp. z o.o.

ul. Przemysłowa 10, 38-200 Jasło, Polska

4. System(s) of assessment and verification of consistency of performance:

System 3

5. Harmonized standard:

EN 14041:2004/AC:2006

Notified body:

Entwicklungs- und Prüflabor Holztechnologie GmbH, NB 0766

Zellescher Weg 24, 01217 Dresden, Germany

6. Declared performance:

Essential characteristics		Performance
A	Reaction to fire	B _{f1} -s1
B	Content of pentachlorophenol	< 5 ppm
C	Formaldehyde emission	E1
D	Water-tightness	NPD
E	Slip resistance	DS
F	Antistatic performance	NPD
G	Static dissipative performance	NPD
H	Conductive performance	NPD
I	Thermal resistance (m ² ·K)/W	0,008
Ia	Thermal resistance (m ² ·K)/W (flooring with iXPE underlayment)	0,025

7. The product performances identified in part 1 are in accordance with the declaration in part 6.

According to the regulation (EU) 305/2011, this Declaration of Performance is issued under the sole responsibility of the manufacturer identified in part 3.

Signed for and on behalf of the manufacturer by:

Jasło, 11.04.2025 r.

.....

(Date)

Robert Laska, Plant Director

.....

(Name, post)

.....

(Signature)



Instytut Techniki Budowlanej

00-611 Warsaw, Filtrowa 1

Thermal Physics, Acoustics and Environment Department

02-656 Warsaw, Ksawerów 21

CERTIFICATE № 445/2023

of TYPE III ENVIRONMENTAL DECLARATION

Products:

MMF Floor covering

Manufacturer:

Kronoflooring Sp. z o.o.

ul. Wojska Polskiego 3, 39-300 Mielec, Poland

confirms the correctness of the data included in the development of
Type III Environmental Declaration and accordance with the requirements of the standard

EN 15804+A2

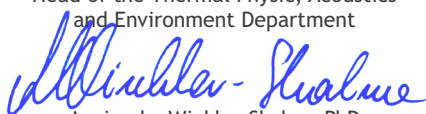
Sustainability of construction works.

Environmental product declarations.

Core rules for the product category of construction products.

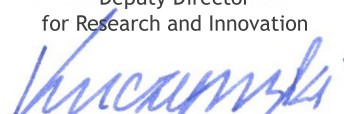
This certificate, issued on 7th April 2023 is valid for 5 years
or until amendment of mentioned Environmental Declaration

Head of the Thermal Physics, Acoustics
and Environment Department


Agnieszka Winkler-Skalna, PhD



Deputy Director
for Research and Innovation


Krzysztof Kuczyński, PhD

Warsaw, April 2023

Klassifizierungsbericht

Classification report

Entwicklungs- und Prüflabor
Holztechnologie GmbH
Zellescher Weg 24
01217 Dresden

Nr.: 2723150
No.:

Tel.: +49 351 4662 0
Fax: +49 351 4662 211
info@eph-dresden.de
www.eph-dresden.de

Klassifizierung zum Brandverhalten gemäß EN 13501-1:2018-12

Reaction to fire classification according to EN 13501-1:2018-12

Auftraggeber (AG): Kronoflooring Sp. Z o.o.
Client: ul. Przemysłowa 10
38-200 Jasto / Polen / Poland

Hersteller: siehe Auftraggeber
Manufacturer: cf. client

Produktname: MMF-Bodenbelag mit 1 mm iXPE-Unterlage; (4-5) mm
Name of product: MMF Floor Covering with 1 mm iXPE underlayment; (4-5) mm

Klassifikation: B_{fl}-s1
Classification:

Geltungsdauer: k. A.
Validity: n/s

Ausgabe-Nr.: 1. Ausfertigung / Original
Issue-No.: Original

Datum der Ausgabe: 09.05.2023
Date of issue:

Auftragnehmer (AN): Entwicklungs- und Prüflabor Holztechnologie GmbH - EPH
Contractor: Laborbereich Oberflächenprüfung
Entwicklungs- und Prüflabor Holztechnologie GmbH - EPH
Laboratory Unit Surface Testing

Notifizierte Stelle - Nr.: 0766
Notified body - No.:

Verantw. Bearbeiter: Dipl.-Ing. (BA) R. Piatkowiak
Engineer in charge:



Dipl.-Ing. A. Möschner

Leiter Laborbereich Oberflächenprüfung / Head of Laboratory Unit Surface Testing

Der Klassifizierungsbericht umfasst 4 Seiten. Jede auszugsweise Vervielfältigung bedarf der schriftlichen Genehmigung des EPH. Die Prüfergebnisse beziehen sich ausschließlich auf die geprüften Materialien. Dieser Bericht ist zweisprachig. Im Zweifel gilt der deutsche Wortlaut.

The classification report contains 4 pages. Any duplication of extracts requires written permission of EPH. The test results refer exclusively to the material tested. This report has been issued bilingually. In case of doubt, the German version is valid.

NOTE: All numerical values within this document are given with a comma as decimal.

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

Kronoflooring Sp. Z.o.o.

Przemyslowa 10 38-200, Jaslo, Poland

For the following product(s):

Vinyl Tile

MMF Floor Covering (Maximum thickness 5.5 mm)

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-105 v4.2-2023.

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/m³ (in compliance with CDPH/EHLB Standard Method v1.2-2017)

Registration # SCS-FS-05598

Valid from: August 01, 2024 to July 31, 2025

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>.



A handwritten signature in black ink.

Nicole Munoz, Vice President, ECS
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

322/235/404/2020

Gdańsk, 30th November 2020

HYGIENIC CERTIFICATE No. 397/322/404/2020

- | | |
|---------------------------------|---|
| 1. Product (material) | MMF Floor covering |
| 2. Destination | floor panels |
| 3. Notifying Institution | Kronoflooring Sp. z o.o.
ul. Wojska Polskiego 3
39-300 Mielec |
| 4. Producer | Kronoflooring Sp. z o.o.
ul. Wojska Polskiego 3
39-300 Mielec |
- 5.** Product received an positive estimation with regard to hygienic reasons.
Certificate does not apply to Occupational Health and Safety while product assembly.
- 6.** Certificate was issued on the basis of: letter of Kronoflooring Sp z o.o. from 13.11.2020 with the documentation.
- 7.** Certificate may be corrected or cancelled by any Contracting Party after appropriate motivation.
The certificate loses its validity after 5 years of the date of issue or in the case of changes in composition or technology of production.

contact address: malgorzata.kaczorowska@gumed.edu.pl

KIEROWNIK
Zakładu Toksykologii Środowiska
z up. Gw. Oleksa
prof. dr hab. Lidia Wolska

TEST CERTIFICATE

ST-19-06-11-02

Product: "Rocko", Thickness: 5 mm
Producer: Kronoflooring Sp. z o.o., ul. Przemysłowa 10, 38-200 Jasło, Poland
Order: Testing of the properties according to EN 16511:2019, Table 1 and 2
Test report: 2719075/3, 2719179

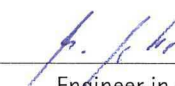
Test results:

Property	Result	Classification requirements according to EN 16511:2019
Geometric properties according to ISO 24337	All results are in the permissible tolerance	General requirements according to table 1 are fulfilled
Wear resistance according to prEN 15468	17000 Revolutions	Class 21-31 and 32-34 are fulfilled
Resistance against impact (big ball) according to EN 13329	> 1800 mm	Class 21-31 and 32-34 are fulfilled
Microscratch resistance according to EN 16094	MSR-A2	Class 21-31 and 32-34 are fulfilled
Resistance against soft chair rolls according to EN 425	no visible change / damages	Class 21-31 and 32-34 are fulfilled
Simulated movement of a furniture leg according to EN 424	no visible change / damages	Class 21-31 and 32-34 are fulfilled
Residual indentation according to ISO 24343-1	0.00 mm	Class 21-31 and 32-34 are fulfilled
Resistance against staining according to EN 438-2	Grade 5	Class 21-31 and 32-34 are fulfilled
Locking strength $F_{0.2}$ according to ISO 24334 short side joints long side joints	5.7 kN/m 6.4 kN/m	Class 21-31 and 32-34 are fulfilled Class 21-31 and 32-34 are fulfilled
Dimensional stability according to ISO 23999 length / width	0.00 % / 0.00 %	Class 21-31 and 32-34 are fulfilled

Dresden, 11/06/2019



Head of laboratory

Engineer in charge

Flooring for floating installation, Level of use according to 16511*; Class 34



For intensively used living areas



For flooring subject to intensive use in commercial premises



EN 14041:2004/AC:2006
DOP: J5005201812
NB 0766
DoP: <https://www.rocko-vinyl.com>

PRODUCT DIMENSIONS

dimensions	thickness	5,0 mm · tmax - tmin ≤ 0,80 mm	
	length	1210 mm · lmax - lmin ≤ 0,50 mm	
	width	192-295 · wmax - wmin ≤ 0,20 mm	
profile	long side	1 clic 2go pure	short side 1 clic 2go pure
groove	long side		short side

TECHNICAL PARAMETERS	STANDARD*	RESULTS
squareness	EN 17539	≤ 0,20 mm
straightness	EN 17539	≤ 0,30 mm / m
flatness crosswise	EN 17539	concave: ≤ 0,15% · convex: ≤ 0,20%
flatness lengthwise	EN 17539	concave: ≤ 0,50% · convex: ≤ 1,00%
openings between elements	EN 17539	average: ≤ 0,15 mm · max: ≤ 0,20 mm
height difference between elements	EN 17539	average: ≤ 0,10 mm · max: ≤ 0,15 mm
abrasion resistance method B	ISO 24338	≥ 7 000 cycles (falling sand method)
impact resistance (big ball)	EN 13329	≥ 1 800 mm
micro scratch resistance method A	EN 16094	≤ 1,0
stain resistance	group 1 & 2	grade 5
	group 3	grade 4
castor chair test	EN ISO 4918	no change in appearance after 25.000 cycles
effect of furniture leg	EN ISO 16581	no visible damage
residual indentation	EN ISO 24343-1	≤ 0,15 mm
light fastness	EN ISO 105-B02	grey scale ≥ 4
locking strength	ISO 24334	long side ≥ 1,0 kN/m
		short side ≥ 3,5 kN/m
dimensional stability	EN ISO 23999	≤ 0,15 %
curling	EN ISO 23999	≤ 2,0 mm
resistance of mechanical joints to water leakage	ISO 4760	no water leak after 24h
water proof	EN 317	mass change ≤ 2%
		thickness swelling ≤ 1%
emission of formaldehyde	EN 717-1	class E1, formaldehyde free, no emission
fire behaviour	EN 13501-1	Bfl-s1
slide resistance	EN 13893	DS
thermal resistance	EN 12667	0,025 (m²K)/W
thermal conductivity	EN 12667	0,23 W/(m*K)
walking noise reduction	IHD-W-431	38 %
impact sound reduction	EN ISO 10140-3	16 db

* current issue

The data sheet is updated regularly to meet new technological standards.
This version replaces all previous versions as well as those which are undated.
This version takes effect upon creation. Version 01/2025

Flooring for floating installation, Level of use according to 16511*; Class 34



For intensively
used living areas



For flooring subject
to intensive use in
commercial premises



EN 14041:2004/AC:2006
DOP: J5005201812
NB 0766
DoP: <https://www.rocko-vinyl.com>

PRODUCT DIMENSIONS

dimensions	thickness	5,0 mm · tmax - tmin ≤ 0,50 mm	
	length	1210 mm · lmax - lmin ≤ 0,50 mm	
	width	192-295 · wmax - wmin ≤ 0,20 mm	
profile	long side	1 clic 2go pure	short side 1 clic 2go pure
groove	long side		short side

TECHNICAL PARAMETERS	STANDARD*	RESULTS
squareness	EN 17539	≤ 0,20 mm
straightness	EN 17539	≤ 0,30 mm / m
flatness crosswise	EN 17539	concave: ≤ 0,15% · convex: ≤ 0,20%
flatness lengthwise	EN 17539	concave: ≤ 0,50% · convex: ≤ 1,00%
openings between elements	EN 17539	average: ≤ 0,15 mm · max: ≤ 0,20 mm
height difference between elements	EN 17539	average: ≤ 0,10 mm · max: ≤ 0,15 mm
abrasion resistance method B	ISO 24338	≥ 7 000 cycles (falling sand method)
impact resistance (big ball)	EN 13329	≥ 1 800 mm
micro scratch resistance method A	EN 16094	≤ 1,0
stain resistance	group 1 & 2	grade 5
	group 3	grade 4
castor chair test	EN ISO 4918	no change in appearance after 25.000 cycles
effect of furniture leg	EN ISO 16581	no visible damage
residual indentation	EN ISO 24343-1	≤ 0,15 mm
light fastness	EN ISO 105-B02	grey scale ≥ 4
locking strength	ISO 24334	long side ≥ 1,0 kN/m
		short side ≥ 3,5 kN/m
dimensional stability	EN ISO 23999	≤ 0,15 %
curling	EN ISO 23999	≤ 2,0 mm
resistance of mechanical joints to water leakage	ISO 4760	no water leak after 24h
water proof	EN 317	mass change ≤ 2%
		thickness swelling ≤ 1%
emission of formaldehyde	EN 717-1	class E1, formaldehyde free, no emission
fire behaviour	EN 13501-1	Bfl-s1
slide resistance	EN 13893	DS
thermal resistance	EN 12667	0,008 (m²K)/W
thermal conductivity	EN 12667	0,565 W/(m·K)
walking noise reduction	IHD-W-431	37 %
impact sound reduction	EN ISO 10140-3	6 db

* current issue

The data sheet is updated regularly to meet new technological standards.
This version replaces all previous versions as well as those which are undated.
This version takes effect upon creation. Version 01/2025

TEST CERTIFICATE

FOR PERFORMANCE CHARACTERISTICS OF CONSTRUCTION PRODUCTS FOR THE CE MARKING

FLO-23-03-13-01

Product: MMF floor coverings with iXPE Underlayment
Thickness: 5 + 1 (mm) and 4 + 1 (mm)

Producer: Kronoflooring Sp. z o.o., ul. Przemysłowa 10, 38-200 Jasło, Poland

Order: Determination of the thermal conductivity and thermal resistance according to EN 14041:2004+AC:2005+AC:2006 and EN 12667:2001

Test report: Test Report no. 2623014, dated 13/03/2023

Results:

Product names	Thermal conductivity $\lambda_{10,23/50}$ [W/(m*K)]	Thermal resistance $R_{10,23/50}$ [(m²K)/W]	Declaration according to EN 14041:2004+AC:2005+AC:2006
MMF Floor Covering with iXPE Underlayment, 5 + 1 mm thick	0,229	0,0249	0,23 W/(m*K) 0,025 (m²K)/W
MMF Floor Covering with iXPE Underlayment, 4 + 1 mm thick	0,179	0,0282	0,18 W/(m*K) 0,028 (m²K)/W

Dresden, 13/03/2023

Head of laboratory



Engineer in charge

CERTIFICATE

for

TÜV PROFiCERT-product Interior PREMIUM

The following product/product group particularly fulfills the criteria V2.0 of the TÜV PROFiCERT-product Interior certification. This certificate does not acquit the producer of his responsibility to comply with all legal requirements and product properties.

Kronoflooring Sp. z o.o.
ul. Przemysłowa 10
38-200 Jasło
Poland

MMF Floor covering and Wall covering

Result of quality testing: Classification requirements according to EN 16511:2023-05 for the classes 21-23 and 31-34 are fulfilled.
Classification requirements according to PAH, Phthalate and Heavy metals of the EN 14041 are fulfilled.

Result of the emission testing: TÜV PROFiCERT-product Interior PREMIUM fulfilled

✓	AgBB 2024	✓	BREEAM Exemplary Level	✓	CAM Italy construction products
✓		✓	The Austrian Ecolabel UZ 42 For „MMF Floor covering”	✓	Finnish M1 classification (without odour / ammonia)
✓	Belgian VOC regulation	✓	MVVTB Annex 8 / ABG	✓	QNG
✓	LEED v4 (outside North America)	✓	DE - UZ 120 (Blue Angel) For „MMF Floor covering”		

Certificate registration No. **70 720 6180-1**

Certificate valid from 2024-11-30 to **2027-11-29**

Audit report No. 2118065/2024/1

First certification 2018-11-30



Dr. M. Pank

Darmstadt, 2024-11-27
Certification body of TÜV Hessen
– Head of Certification body –