



WOOD PANEL

Furniture Supplies & Decor Materials

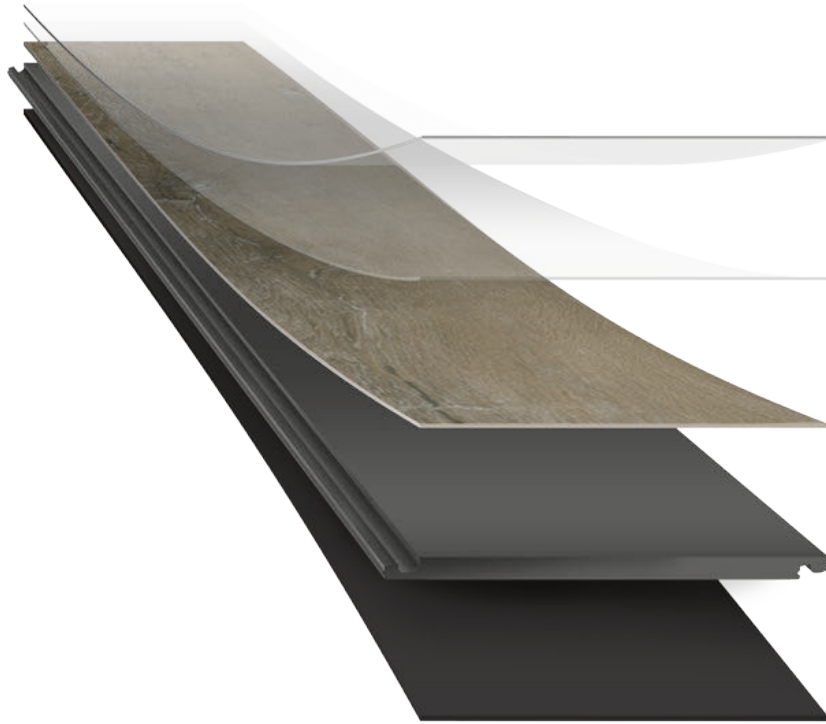
SPC Collection



NEW PERSPECTIVE
ON A BETTER GROUND

BEROIA
decor

NEXT GENERATION SPC LAYERS



UV Layer

Wear Layer

Color Films

SPC Core

IXPE
(optional)

BEROIA Floor's **Brand New SPC Collection** is up to the task in both home and commercial settings. Design your affordable, easy-care, and fashionable flooring, without sacrificing comfort and style.

A next generation, waterproof technology using Stone Plastic Composite flooring, our products feature an easy install-locking system, and five layers at a total thickness of 5 mm, including a special wear layer that protects against scratches, spills, and sun damage.



Airports &
Terminal Buildings



Shopping Malls &
Food Court Areas



Stores &
Shops



Cafes &
Restaurants



Schools



Hotels



Offices



Exclusive
Meeting Rooms



Hospitals &
Bank Branches



Conference
Halls



Government
Buildings



Cinemas
& Retail Areas



Opera &
Theater Halls



Recreational
Facilities



Galleries &
Museums



Fairgrounds



RESIDENTIAL & HOMES

The installation Of Beroia Decor by ADO Floor products is easy, quick, clean, and quiet. Choose our affordable and durable products to effortlessly build and maintain **comfortable and refreshing living spaces** . You can draw on a wide variety of design concepts to create your own decorative, warm, and playful floor combinations.

COMMERCIAL & RETAIL

With its waterproof Rigid Core technology, as well as **antibacterial and acoustic qualities** , the new SPC Collection can help you create comfortable working and living environments in a wide range of settings, from sports centers to schools, from hospitals to offices, and other commercial spaces.



CREATE YOUR OWN FLOOR

The installation of Beroia Decor by ADO Floor products is easy, quick, clean, and quiet. You can draw on a wide variety of design concepts to create your own **decorative, warm, and playful** floor combinations.



EASY MAINTENANCE



EASY INSTALLATION



DUST FREE



A BETTER GROUND

Beroia Decor by ADO Floor products provide
a better floor for indoor creativity

Our new SPC Collection is the perfect choice for
better heat and sound insulation, functional tranquility, and
comfort.



SOUND INSULATION



HEALTH & SAFETY

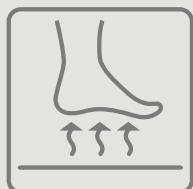


ECO FRIENDLY



A HEALTHY & WARMER GROUND

Beroia Decor by ADO Floor products do not contain materials hazardous to health. We provide **unmatched hygiene and heat insulation**, ensuring healthier and warmer floors for everyone choosing our products.



WARM UNDERFOOT



PHTHALATE FREE



ANTIBACTERIAL

WATERPROOF

Thanks to it's special multi-layered structure, **our products** are guaranteed to be **waterproof**, moisture resistant, and antibacterial.



WATERPROOF



ANTIBACTERIAL



4+1 MM

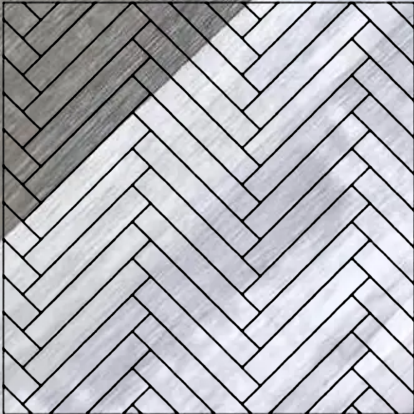
VIVA SERIES







HERRINGBONE





1040 - POEMO



1170 - larga



1220 - NEGO



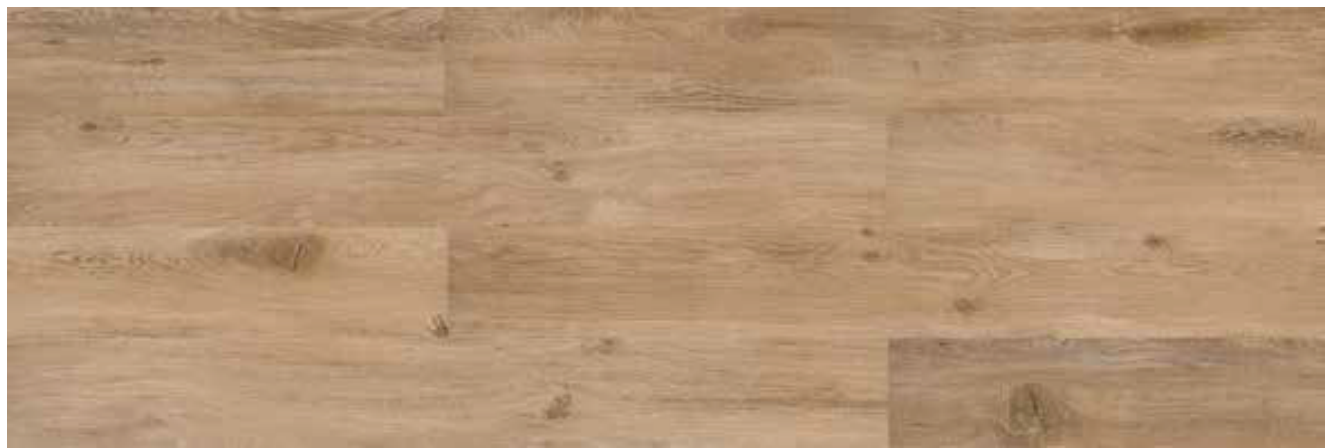
1306 - RAPIDA



1405 - PLATANO



1406 - AKRA



1524 - GASTO



1525 - MEDIO

SPC Installation and Maintenance Instructions

Area of application

SPC Design Floor is a hard-wearing, easy-care and decorative floor covering for private and commercial use. Due to the low construction height, it is suitable for new construction and renovation. The product can be laid in lounges, in rooms with high humidity such as bathroom, kitchen or cellar.

SPC Design Floor is suitable for hot water underfloor heating in accordance with DIN EN 1264 Part 3. Electric underfloor heating is not permitted.

Indoor climate

When acclimatizing the goods to the physical conditions and during installation, the temperature must be at least 18 °C, but should not exceed 30°C. After the installation a healthy living environment ensures personal well-being. Temperatures of 20-22°C and a relative humidity in the range of 35-65% are optimal. With underfloor heating, these values can already be achieved with a surface temperature of 24°C. Especially in winter you should observe the humidity and if necessary raise by appropriate measures.

Transport and Storage

SPC Design Floor must be adjusted to the room temperature, where it will be installed, for 48 hours in the closed packaging. In order to prevent edge damage and bending of the SPC, the packages may not be placed on the narrow sides or laid on underlay woods, but may only be transported and stored on a flat surface.

Clearances and joints

In rooms without strong sunlight, it is possible to install without expansion joints up to a length of 20 m. For large areas or complex layouts (L-, Z- or U-shape, "hourglass", constrictions, doorways) or if heavy or permanently installed structures obstruct the free movement of the floating installation, the floor must be separated at an appropriate place with an expansion joint. For areas with dynamic horizontal forces, such as those found in gyms, on sports and dance floors, the floor is not suitable.

Expansion joints in the screed must be taken over in the top ground. Between the floor covering and the wall as well as to all fixed installations, steel door frames or heating pipes, a lateral distance of at least 10 mm must always be maintained. Wooden frames are shortened at the bottom and the coating is pushed underneath. On the walls, the distance is secured with wedges during installation.

Later, the wedges are removed and the distances covered with suitable baseboards, transition rails and pipe rosettes.

Floating installation requires the floor covering in the doorways to be separated.

Directly adjacent surfaces with extremely different temperatures should be separated if necessary. Intense sunlight can cause thermal expansion. Suitable shading measures prevent overheating.

Before the installation

The packages may only be opened immediately before installation. Always mix items from multiple packages. Before installation, check the individual elements for correctness of color and structure and possible damage in good lighting. A claim for compensation for recognizable defective but already processed material does not exist. Differences in color and structure are material typical and not a reason for complaint.

For items with a high static pressure load, weight distribution must be provided in accordance with the weight (load distribution plate).

How is SPC Design flooring installed?

SPC Design Floor has integrated sound insulation on the underside and is installed floating without any additional insulation underlay.

In the floating installation, the elements are connected without glue to each other by the profiling.

Recommended tool

You need folding rule, pencil, joiner's angle, cutter or lever cutter, if necessary hole saw, spacer wedges and a slap block.

Ground quality (DIN 18365 paragraph 3)

The ground must be free of old textile coverings, clean, permanently dry, even, firm and stable. Loose, soft or resilient old coverings must always be removed. The flatness must correspond to DIN 18202 table 3 line 4, but should not exceed 2mm/m. Bumps must be removed and pits must be filled.

The following maximum moisture contents apply to new screeds:

Screed type	unheated	Floor heating
Cement	2,0 %	1,8 %
Calcium sulfate	0,5 %	0,3 %

(Reference CM measurement)

For underfloor heating, the maximum permissible heat output is 55 W/m and must be distributed evenly over the area.

The surface temperature of heated screed must not exceed 29 °C.

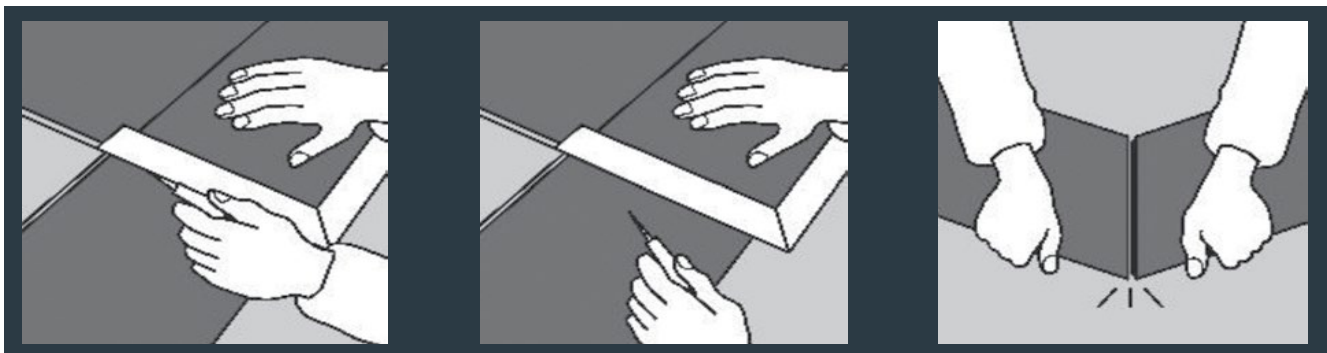
Installation step by step

Install the first board with the spring side facing the wall. Then, the second plank is wrapped from the front side from above into the first one..

installation direction ▶



The last element of the series will be shortened: Scratch the decor side with a craft knife, then bend at this point and cut completely.



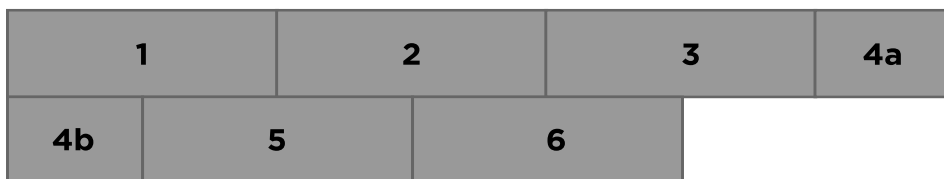
Make sure that the first track is laid exactly straight and secure the 10 mm wall distance with wedges, also at the two ends.

Following lines:

The offset of the end joints between two adjacent rows must be at least 40 cm or 1/2 plank length. If the remaining section does not fit, just take it as the beginning of the next row and use a matching, new cut.

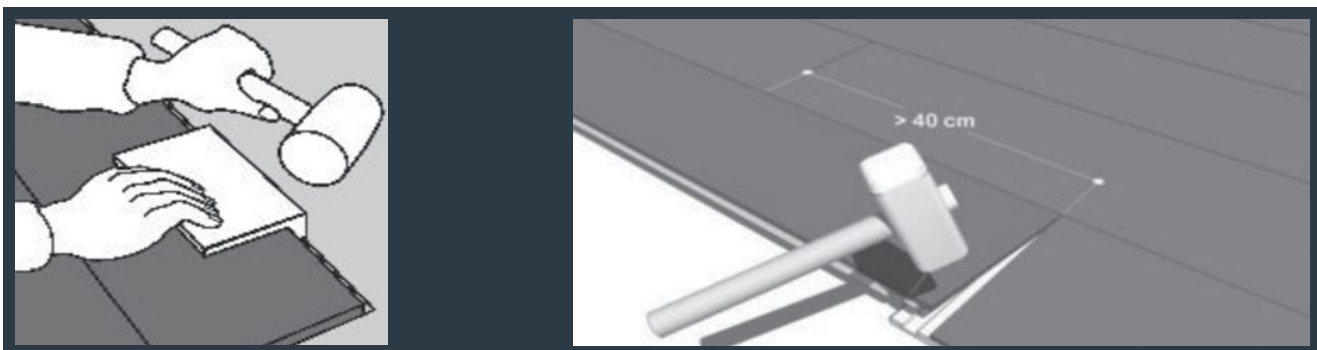
Insert the beginning piece angled into the long side of the row already in place and lock it by gently folding it down. The next element is also first infiltrated on the long side and locks properly when folded down at the head end.

installation direction ▶



To ensure that the profiles interlock reliably, the longitudinal joints must be tapped with dosed blows with a slap block and rubber mallet.

The elements of the last row are cut to size and fitted with 10 mm clearance to the wall.



Finishing

All wedges must be removed. Skirting boards, transition rails and pipe rosettes are installed.



Cleaning and care

(Vinyl Design Floor) has ex works an easy-care and very durable surface. The cleaning and care effort is minimal and crucial for the longevity of your floor.

Incorrect cleaners, sand, acidic or alkaline substances, solvents, stiletto heels, metal and metal abrasion can attack the surface and lead to bruises, scratches or discoloration. Furniture must have clean sliders; office chairs must have suitable soft rolls. Under office chairs, a suitable floor protection mat must also be installed. Spotting and aggressive substances must be removed immediately from the surface. The use of clean-up zones considerably reduces the amount of dirt introduced. Remove dust and loose dirt regularly by sweeping or vacuuming with a parquet nozzle.



NEW PERSPECTIVE ON A BETTER GROUND

All QUA SPC Collection products provide a better floor for indoor creativity.
Our new SPC Collection is the perfect choice for better heat and
sound insulation, functional tranquility, and comfort.

ADO FLOOR FORTIKA SPC RIGID FLOORS 5 mm. SPC Click + IXPE

Dimensions (Planks or tiles)	Quantity in a Package (m ²)	Quantity in a Package (pcs)
177,8 x 1.219,2	2,167 m ²	10 pcs
228,6 x 1.219	2,230 m ²	8 pcs

Certificate

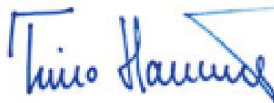

Antibacterial Activity / HD-685666-Z

Adopen Plastik Ve Ins. San. A.S.
Antalya Organize Sanayi Bölgesi
2. kısım Mah. 21. Cad. 3
DÖSEMEALTI – ANTALYA | TURKEY

Sample: **ADOFLOOR SPC Vinyl Flooring 4-5mm,**
0,15mm-0,55mm Wear Layer

According to the report no. 20.8.3.0076/Rev 1 dated on 8 May 2020 we confirm that the above mentioned item was tested at the Hohenstein Laboratories GmbH & Co. KG according to ISO 22196:2011-08 "Plastics – Measurement of antibacterial activity on plastic surfaces". The item shows antibacterial activity. The tests were carried out with the test strains *Staphylococcus aureus* ATCC 6538P and *Escherichia coli* ATCC 8739.

The certificate is valid until 31 May 2021

Dr. Timo Hammer
Chief Executive Officer



TFI Report 491505-08

Classification

of the Reaction to Fire according to EN 13501-1:2010

Customer
ADOPEN PLASTIK VE İNŞAAT SAN. A.Ş.
Antalya organize sanayi bölgəsi 2.kisim Mah. 21.
Cad. No:3
Diyadinli/İstanbul
TURKEY

Product
resilient floor covering
ADOFLOOR SPC Vinyl Product 4+1 mm IXPE

This report includes 5 pages and 0 annex(es).
This report is a supplement of test report no. 491505-06 and supersedes and replaces the previous version. This report replaces the version 491505-08.

Responsible at TFI
Dipl.-Ing. Ulrike Balg
senior engineer fire testing
Tel. +49 241 5679 133
u.balg@tfi-aachen.de

Aachen, 05 March 2020
Dr. Bayram Aslan
The present document is provided with an advanced electronic signature.


This report only applies to the tested samples and has been established to the best of our knowledge. Only the entire report shall be reproduced. Under no circumstances, extracts shall be used. Furthermore, we apply the "General Terms and Conditions for the Execution of Contracts" of the TFI Aachen GmbH, also with regard to the order execution.





TFI Aachen GmbH
Charlottenburger Allee 41
52068 Aachen - Germany
www.tfi-aachen.de

HRB 8157 Aachen
VAT No. DE209411312
Managing Director
Dr.-Ing. Bayram Aslan



491505-08

1 Transaction

Classification of the reaction to fire according to EN 13501-1:2010
Test order 22 November 2019, 04 March 2020
Order date
Your reference I. Baysal
Product designation(s) ADOFLOOR SPC Vinyl Product 4+1 mm IXPE, wear layer 0.55 mm
ADOFLOOR SPC Vinyl Product 4+1 mm IXPE, wear layer 0.15 mm
TFI sample number 19-11-0173, 19-11-0176

2 Product specification




The construction products are completely described in the test reports mentioned under item 3. The test reports provide the bases for the present classification.

3 Results

3.1 Test reports and test results used for the classification


Test laboratory	Customer	Test report no.	Test method
TFI Aachen GmbH	ADOPEN PLASTIK VE İNŞAAT SAN. A.Ş.	491505-06	EN ISO 9239-1:2010
		dated 12 February 2020	EN ISO 11925-2:2010 (F5 - ignition time)
TFI Aachen GmbH	ADOPEN PLASTIK VE İNŞAAT SAN. A.Ş.	491507-03	EN ISO 9239-1:2010
		dated 12 February 2020	-

Page 2 of 5

TFI Aachen GmbH
Charlottenburger Allee 41
52068 Aachen - Germany
www.tfi-aachen.de

HRB 8157 Aachen
VAT No. DE209411312
Managing Director
Dr.-Ing. Bayram Aslan



491505-08




3.2 Test results

Product	Test method	Parameter	Number of tests	Result	
				Mean value	Requirements fulfilled (Y/N)
Product 1	EN ISO 9238-1:2010	Average critical heat flux [kW/m²]	3	10.2	
		Integrated smoke value [% x min.]		345	
Product 1	EN ISO 11925-2:2010	Flame tip < 150 mm	6	-	Y

Product	Test method	Parameter	Number of tests	Result	
				Value*	Requirements fulfilled (Y/N)
Product 2	EN ISO 9238-1:2010	Average critical heat flux [kW/m²]	2	11.0	
		Integrated smoke value [% x min.]		240	
Product 2	EN ISO 11925-2:2010	Flame tip < 150 mm	-	-	-


*Worse result for the average critical heat flux and the corresponding integrated smoke value from the Radiant Panel Test with a reduced number of samples.

Page 3 of 5

TFI Aachen GmbH
Charlottenburger Allee 41
52068 Aachen - Germany
www.tfi-aachen.de

HRB 8157 Aachen
VAT No. DE209411312
Managing Director
Dr.-Ing. Bayram Aslan



491505-08

3.3 Classification and field of application

The construction products 'ADOFLOOR SPC Vinyl Product 4+1 mm IXPE' are classified as follows with regard to fire reaction to fire:

Bs
The additional classification with regard to the smoke development is:
s1
The additional classification with regard to burning droplets/particles is:
-

The format of the reaction to fire classification for floor coverings is:

Reaction to fire	Smoke development
Bs	s 1

Classification of the reaction to fire: Bs - s1




Product characteristics [unit]	Range
Total thickness [mm]	4.0 + 1.0 IXPE
Thickness of the wear layer [mm]*	0.15 0.30 0.55
Total mass per unit area [g/m²]	see test report no. 491505-05 and 491507-03

*customer information

This classification is valid for the following end use application:


Type of end use application flooring
Substrate noncombustible substrates (Euroclass A1 and A2-s1-d0) with a gross density $\geq 1350 \text{ kg/m}^3$
Underlay for installation no
Type of fixation glued or unglued
Joint according to EN ISO 9239-1:2010 no

Page 4 of 5

TFI Aachen GmbH
Charlottenburger Allee 41
52068 Aachen - Germany
www.tfi-aachen.de

HRB 8157 Aachen
VAT No. DE209411312
Managing Director
Dr.-Ing. Bayram Aslan



491505-08

Limitations




This classification document does not represent any type approval or certification of the product.

The classification assigned to the construction product in this report is suited for a declaration of conformity by the manufacturer or a Declaration of Performance within the context of system 3 attestation of conformity and CE marking under the Construction Products Directive or Construction Products Regulation.

The manufacturer has made a declaration, which is held on file. This declaration confirms that the design of the product does not require any specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic contents or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence, the manufacturer has concluded that system 3 for the attestation of conformity respectively system 3 for the assessment and verification of the constancy of performance is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.

Page 5 of 5

TFI Aachen GmbH
Charlottenburger Allee 41
52068 Aachen - Germany
www.tfi-aachen.de

HRB 8157 Aachen
VAT No. DE209411312
Managing Director
Dr.-Ing. Bayram Aslan



TFI Report 491509-02

Formaldehyde EN 717-1

Customer ADOPEN PLASTIK VE İNŞAAT SAN. A.Ş.
Antalya organize sanayi bölgesi 2. kısım Mah. 21.
Cad. No:3
Doğemealli/Antalya
TURKEY

Product resilient floor covering
ADOFLOOR SPC Vinyl Product 4mm, 0.30mm

This report includes 2 pages and 2 annex(es).

Responsible at TFI
Sezer Yildiz, M.Sc.
head of dept. measurement and chemical analysis
Tel: +49 241 9679 143
s.yildiz@tfi-aachen.de

Aachen, 14 February 2020



Dr. Bayram Aslan

The present document is provided with an advanced electronic signature.

This report only applies to the tested samples and has been established to the best of our knowledge. Only the entire report shall be reproduced. Under no circumstances, extracts shall be used. Furthermore, we apply the "General Terms and Conditions for the Execution of Contracts" of the TFI Aachen GmbH, also with regard to the order execution.



TFI Aachen GmbH
Charlottenburger Allee 41
52068 Aachen - Germany
www.tfi-aachen.de

HRB 8157 Aachen
VAT No. DE209411312
Managing Director
Dr.-Ing. Bayram Aslan

491509-02



1 Transaction

Test order	Formaldehyde EN 717-1
Order date	11 October 2019, 22 November 2019
Your reference	Ismail Baysal
Product designation	ADOFLOOR SPC Vinyl Product 4mm, 0.30mm
TFI sample number	19-11-0170
Date of sample receipt	29 November 2019
Sampling performed by	Customer

2 Product Specification

View: front side / back side



3 Results

Formaldehyde EN 717-1 requirements of the German Chemicals Prohibition Ordinance § 1 (3) [Chemikalienverbotsverordnung] fulfilled

4 Annexes

Formaldehyde EN 717-1 FOR 491509-02



TFI Aachen GmbH
Charlottenburger Allee 41
52068 Aachen - Germany
www.tfi-aachen.de

HRB 8157 Aachen
VAT No. DE209411312
Managing Director
Dr.-Ing. Bayram Aslan

FOR 491509-02



Annex FOR - Formaldehyde EN 717-1

1 Transaction

Product designation	ADOFLOOR SPC Vinyl Product 4mm, 0.30mm
TFI sample number	19-11-0170
Testing period	4 December 2019 – 6 January 2020

2 Test Method / Requirements¹

Determination of formaldehyde	EN 717-1
Chamber method	
volume test chamber	0.225 m ³
chamber load	1 m ³ m ² ± 0.02 m ³ m ²
air exchange rate	1/h ± 0.05/h
temperature	23 °C ± 0.5 K
relative humidity	45 % RH ± 3 % RH

Detection limit	0.008 ppm formaldehyde
Determinaton limit	0.02 ppm formaldehyde (1 ppm = 1.24 mg HCHO/m ³)
Deviation	- none -

3 Results^{1,4}

Parameter	CAS No.	Emission of formaldehyde according by DIN EN 717-1 192 h (8 days) ²			Criteria according to Chemicals Prohibition Ordinance ³ – Quality fulfilled	
		[ppm]	[µg/m ³]	[µg/m ³] (multiplied with factor of 2) ⁴	Yes	No
Formaldehyde	50-00-0	< detection limit	< detection limit	< detection limit	Yes	-

¹ The test is performed by an accredited external service provider in Dresden.
² Chemikalienverbotsverordnung [German Chemicals Prohibition Ordinance] § 1 (3) from the 20.01.2017 in connection with the publication of analytical procedures published on Monday the 26. of November 2018, BAnz AT 26.11.2018 B2
³ Test results according to DIN EN 717-1 have to be multiplied with the factor of 2, formaldehyde reference value for test chamber method DIN EN 7171(01/2005) – 0.05 ppm (62µg/m³);
 -0.1 ppm corresponds to 124 µg/m³ according to USA;
<https://www.umweltbundesamt.de/themen/wirtschaftskonsumverpackung/produkte/studien-zur-messung-bewertung-von-schadstoffen/formaldehydemissionen-pruefbedingungen-fuer>; Status: 12.06.2019
⁴ Breakoff-criteria: DIN EN 717-01: below detection limit for 4 consecutive days
⁵ Statements on conformity assessment/classification were made on the basis of the achieved measurement results. Measurement uncertainties (ILAC G8 03/2009 „Guidelines on the Reporting of Compliance with Specification“ Abschnitt 2.7) are not included in the evaluation.



TFI Aachen GmbH
Charlottenburger Allee 41
52068 Aachen - Germany
www.tfi-aachen.de

HRB 8157 Aachen
VAT No. DE209411312
Managing Director
Dr.-Ing. Bayram Aslan



TFI Report 491509-04
Thermal Resistance

Customer
ADOPEN PLASTIK VE INSAAT SAN.
Antalya organize sanayi bogesi 2. kisim
Mah. 21. Cad. N:3
Dosemealti/Antalya
TURKEY

Product
resilient floor covering
ADOFLOOR SPC Vinyl Product 4 mm

This report includes 2 pages and 1 annex

Responsible at TFI
-Test Engineer-
Dr.-Ing. Andreas Zoega
Tel. +49 241 9970 170
a.zoega@tfi-aachen.de

Aachen, 21.01.2020
Dr.-Ing. Bayram Aslan



The present document is provided with an advanced electronic signature

This report only applies to the tested samples and has been established to the best of our knowledge. Only the entire report shall be reproduced. Under no circumstances, extracts shall be used. Furthermore, we apply the "General Terms and Conditions for the Execution of Contracts" of the TFI Aachen GmbH, also with regard to the order execution.



TFI Aachen GmbH
Charlottenburger Allee 41
52058 Aachen - Germany
www.tfi-aachen.de

HRB 8157 Aachen
VAT No. DE20941312
Managing Director
Dr.-Ing. Bayram Aslan

491509-04



1 Transaction

Test order thermal resistance according to EN 12664
Order date 22.11.2020
Your reference Ismail Baysal
Sampling performed by Customer
Product designation ADOFLOOR SPC Vinyl Product 4 mm
TFI sample number 19-11-0171

2 Product Specification

Construction heterogeneous
Structure embossed
Pattern multicoloured, patterned
Colour of the use surface grey
View



Thickness of wear layer [mm] 0,30*
Thickness [mm] 4,3*
Area density [g/m²] 7809*
Type of delivery modules
*customer information

3 Results

Thermal resistance
 $R_{10} = 0,0160 \text{ [m}^2\text{K/W]}$
 $R_{23} = 0,0150 \text{ [m}^2\text{K/W]}$

4 Annexes

Thermal resistance WD 491509-04*
The annexes marked * are based on tests accredited in accordance with EN ISO/IEC 17025.



TFI Aachen GmbH
Charlottenburger Allee 41
52058 Aachen - Germany
www.tfi-aachen.de

HRB 8157 Aachen
VAT No. DE20941312
Managing Director
Dr.-Ing. Bayram Aslan

WD 491509-04



Annex WD - Thermal Resistance

1 Transaction

Product designation ADOFLOOR SPC Vinyl Product 4 mm
TFI sample number 19-11-0171
Testing period 13.01.2020 (at least 120 min in steady state per measurement series)

2 Test Method / Requirements

Test method EN 12664:2001 determination of thermal resistance
Test with guarded hot plate method according to ISO 8302: 1991
Test device One-specimen apparatus, horizontal, warm side up
Protective heating ring and sample protection ring to reduce heat loss on the edges.
Conditioning according EN ISO 291:2008
(23°C +/- 2°C und 50% +/- 5% rel. Luftfeuchte)

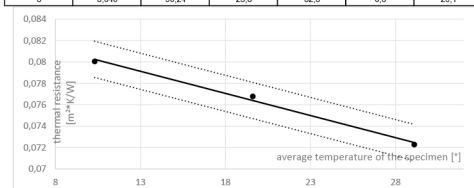
3 Sample Installation

Thickness built-in [m] 0,02199 (Measured when installed)

built-in layers 5

4 Results

Test	heating capacity [W]	Heat flux [W/m ²]	temperature of the cold surface of the specimen [°C]	temperature of the warm surface of the specimen [°C]	temperature difference [K]	average temperature of the specimen [°]	thermal resistance [m ² K/W]
1	5,320	85,12	6,9	13,7	6,8	10,3	0,08005
2	5,450	87,20	16,3	23,0	6,7	19,6	0,07678
3	5,640	90,24	25,8	32,3	6,5	29,1	0,07229



Deviations The mass change during conditioning and during the measurement was not determined.

WD 491509-04



Comments: The largest expected measurement deviation is +/- 2%.

Calculated thermal resistance for one layer at a mean temperature of 10 °C

$$R_{10} = 0,01607 \frac{\text{m}^2\text{K}}{\text{W}} \pm 0,00032 \frac{\text{m}^2\text{K}}{\text{W}}$$

Calculated thermal resistance for one layer at a mean temperature of 23 °C
EN 14041:2018-05

$$R_{23} = 0,01500 \frac{\text{m}^2\text{K}}{\text{W}} \pm 0,00030 \frac{\text{m}^2\text{K}}{\text{W}}$$

Calculated thermal resistance for one layer at a mean temperature of 24 °C
DIN EN 16354:2019-01

$$R_{24} = 0,01492 \frac{\text{m}^2\text{K}}{\text{W}} \pm 0,00030 \frac{\text{m}^2\text{K}}{\text{W}}$$

Thermal conductivity at 10°C

$$\lambda_{10} = 0,27320 \frac{\text{W}}{\text{mK}} \pm 0,00546 \frac{\text{W}}{\text{mK}}$$



(253)8682022062758Y0038311

1. İhracatçı Consignor Expéditeur	NO Y 0038311	ORJİNAL ORIGINAL ORIGINAL
ADOPEN PLASTİK VE İNSAAT SANAYİ A.Ş. - DMCC ANTALYA ORGANİZE SANAYİ BÖLGESİ 2.KISIM MAH.21.CAD N:3 DOSEMEALTI/ANTALYA	MENŞE ŞAHADETNAMESİ CERTIFICATE OF ORIGIN CERTIFICAT D'ORIGINE	
2. Consignee Destinataire		
	3. Menşe Ülkesi Country of Origin Pays d'origine	
	Türkiye	
4. Taşımaya İlişkin Bilgiler (Tercihe Bağlı) Transport Details (Optional) Informations relatives au transport (mention facultative)	5. Gözlemler Remarks Remarques	
BY SHIP		
6. Sıra No; kolilerin marka ve işaretleri, sayı ve türleri; eşyanın tanımı Item number; marks, numbers, number and kind of packages; description of goods Numéro d'ordre - Marques, numéros, nombre et nature des colis - Désignation des marchandises	7. Miktar Quantity Quantité	
ADDR:77 PACKAGES 23-00153 1 SPC FLOORING / PVC FLOORING	76980 KGS	
8. Yukarıda Tanımlanan Eşyaların 3 Nolu Kutuda Belirtilen Ülke Menşeli Olduğu Tasdik Olunur. The Undersigned Authority Certifies That The Goods Described Above Originate In The Country Shown In Box 3 L'autorité soussignée certifie que les marchandises désignées ci-dessus sont originaires du pays figurant dans la case No 3		

To whom it may concern,

As FORTIKA, together with our partners in EGYPT, BEROIA DECOR and its subsidiary WOOD PANEL,
we are committed to the 2024 Beroia décor boxed 5 mm CLICK with IXPE 0,30 wearlayer 17,78x121,92 cm
specification product and its technical documentation with the same specifications as Fortika.

Respectfully,

ADOPEN
PLASTİK VE İNŞ. SAN. A.Ş.
Organize Sanayi Bölgesi 2. Etap
1. Cadde No: 20000000000 ANTALYA
Antalya / Türkiye Tel: 095 923 7130
- 3 -

Loose-laid panels-Semi-rigid multilayer modular floor (MMF) covering panels with wear resistant top layer.

PRODUCT SPECIFICATION	STANDARD	4mm 0,30mm SPC Click	4 mm. 0,55 mm. SPC Click
Total Thickness	ISO 24337	4,00 mm.	4,00 mm.
Thickness of Wear Layer		0,30mm	0,55 mm.
Total Weight	EN ISO 23997	7.850 kg/m ²	7.140 kg/m ²
Usage Classification	EN 16511	Class 23 / Class 33	Class 23 / Class 34
Plank Size	ISO 24337	Click: 177,8 x 1219,2 mm Click: 228,6 x 1219,2 mm	Click : 177,8 x 1219,2 mm. Click : 228,6 x 1219,2 mm.
Packaging Per Carton: Planks		Click: 177,8x 1219,2 mm, 2,167 m ² 10 pcs. Click: 228,6x 1219,2 mm, 2,230 m ² 8 pcs.	Click: 177,8 x 1219,2 mm, 2,167 m ² 10 pcs. Click: 228,6x 1219,2 mm, 2,230 m ² 8 pcs.
Underlayment optionally IXPE		+ 1mm IXPE Underlay	+ 1mm IXPE Underlay
Surface treatment (UV)		Yes	Yes
Beveled Edges		Yes -Micro Bevel	Yes -Micro Bevel
Dimensional Stability	EN-ISO 23999	≤ 0,15%	≤ 0,15%
Reaction to Fire	EN 13501-1	BFL-S1	BFL-S1
Residual Indentation	ISO 24343-1	≤ 0,05 mm	≤ 0,05 mm
Furniture Leg	EN 424	No damage	No damage
Castor Chair	ISO 4918 - EN 425	No change	No change
Locking Strength	ISO 24334	Longitudinal joint: 3.7 kN/m, Trans joint 3.6 kN/m	Longitudinal joint: 3.4 kN/m, Trans joint 3.6 kN/m
Impact Sound Reduction with 1mm IXPE Underlay	EN ISO 717-2	21 dB	19 dB
Light Fastness	EN ISO 105-B02	6	6 -7
Resistance to Staining	EN 438-2	Groups 1 - 3: grade 5	Groups 1 - 3: grade 5
Micro Scratch Resistance	EN 16094	MSR-A2	MSR-A2
Impact Resistance	EN 13329 Annex F	> 1800 mm	> 1800 mm
Abrasion Resistance	EN 13329 Annex E	≥ 2000 cycles	≥ 4000 cycles
Thermal Resistance	EN 12664	0,0160 m ² K/W	0,0177 m ² K/W
Slip Resistance	DIN 51130 EN 13893	R9 μ _z ≥ 0,30 DS	R9 μ _z ≥ 0,30 DS
Static Electrical Propensity	EN 1815	≤ 2kV	≤ 2kV
Formaldehyde	EN 717-1:2014	E1 (Formaldehyde Free)	E1 (Formaldehyde Free)
STC Sound Testing with 1mm IXPE Underlay	ASTM 492-09	-	STC 52
IIC Sound Testing with 1mm IXPE Underlay	ASTM E 989-18	-	IIC 55
Pentachlorophenol (PCP)	CP 491510-01	PCP Free	PCP Free
Floor Heating System	Yes suitable, see separate installation instructions.	Max. 29° C	Max. 29° C
FloorScore	Indoor Air Quality Certified to SCS-EC10.3-2014 v4.0	SCS-FS-05915	SCS-FS-05915
TVOC	EN 16516 , ISO 16000	A+	A+



OPERATED BY SCS Global Services





WOOD PANEL
Furniture Supplies & Decor Materials



📍 273, Industrial Zone - Third Settlement New Cairo, P.O. Box 11936.

🌐 www.woodpanel-eg.com

📞 +2 01142299990 📠 02 25720307