



CERTIFICATE

ATTESTATION CERTIFICATE

The Company mentioned below has been audited by the Notified Body UDEM, according to the Regulation (EU) No 305/2011 - Construction Products

Company Name : **SK Flooring**

Company Address : Honglian Village,Henglin Town,Changzhou Jiangsu Province, China

Related Directives and Annex : **Regulation (EU) No 305/2011 - Construction Products**

Related Standards : **EN 14041:2004/AC: 2006**

Product Name : **SPC Flooring(Rigid Core Flooring)**

Report No and Date : SZ2017090195;15.09.2016

Product Brand/Model/Type : thickness (3.2~8) mm

Certificate Number : **M.2017.201.N2098**

Initial Assessment Date : 26.09.2017

Registration Date : 27.09.2017

Reissue Date/No : -

Expiry Date : 26.09.2032


UDEM International Certification
Auditing Training Centre Industry
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The currency of the certificate can be checked through www.udemltd.com.tr. The CE mark shown on the right can only be used under the responsibility of the manufacturer with the completion of EC Declaration of Conformity for all the relevant Directives. This certificate remains the property of UDEM International Certification Auditing Training Centre Industry and Trade Co. Ltd. to whom it must be returned upon request. The above named firm must keep a copy of this certificate for 15 years from the registration of certificate. The above named firm must notify all changes related with the approved type to UDEM. If UDEM will not renew expiry date of this certificate in question

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Report No: SZ2017090195

Product description:

SPC Flooring(Rigid Core Flooring)

Model/ type Ref:

Thickness (3.2~8) mm

Trade mark (if any):

N/A

Description:

SPC Flooring (Rigid Core Flooring)

Name and address of the applicant

Changzhou Zhonglong Wood Co., Ltd
Honglian Village, Henglin Town, Changzhou, Jiangsu, Province, China

Name and address of the manufacturer:

Changzhou Zhonglong Wood Co., Ltd
Honglian Village, Henglin Town, Changzhou, Jiangsu, Province, China

Test report No.: SZ2017090195

Sample (s) of the product were tested and found to be in conformity with standard (s)

EN 14041:2004/AC: 2006

Test result:	PASS
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2016-09-15

Tested by: *Jime*

Approved By: *Kenny*

Report No: SZ2017090195

The test results are shown in Table No.1a) and No.1b)-tests with use of adhesive. The results without use of adhesive were the same .

Tested samples-thickness 3 mm.

Table No.1 a)-initial testing results-reaction to fire (art.4.1). **Thickness (3.2~8) mm.**

Testing method	Characteristic	Value identified						Results	
								Average continual parameter (m)	Parameter of fulfilment
EN ISO 11925-2 exposure-15s	Flame spread: $F_s \leq 150\text{mm}$	yes	yes	yes	yes	yes	yes	(-)	yes
EN ISO 9239-1	Critical heat flux (kW.m^{-2})	≥ 11		≥ 11		≥ 11		≥ 11	(-)
	Smoke (% , minute)	136,8	145,0	164,6	148,8				

Table No.1 b)-initial testing results-reaction to fire (art.4.1). **Thickness (3.2~8) mm.**

Testing method	Characteristic	Value identified						Results	
								Average continual parameter (m)	Parameter of fulfilment
EN ISO 11925-2 exposure-15s	Flame spread: $F_s \leq 150\text{mm}$	yes	yes	yes	yes	yes	yes	(-)	yes
EN ISO 9239-1	Critical heat flux (kW.m^{-2})	11,21		11,05		10,3		10,85	(-)
	Smoke (% , minute)	54,23	56,65	59,62	58,83				

Legend:(-)-not related

4.2 Formaldehyde emission-results

The test results are shown in Table No.2.

Tested sample-thickness 3 mm. The test result is applied for **thickness (3.2~8) mm**

Table No.2-initial testing result-formaldehyde emission (art.4.3)

Testing method	Characteristic	Requirement	Value identified	Evaluation
EN717-1	Release of formaldehyde	class E1... $\leq 0,124\text{mg/m}^3$ E2... $> 0,124\text{mg/m}^3$	0,005mg HCHO/ M^3	E1

Legend: E1-satisfy

4.3 Slip resistance-results

The test results are shown in Table No.3

Tested sample-thickness 3 mm. The test result is applied for thickness (3.2~8) mm too.

Table No.3-initial testing result-slip resistance (art.4.5)

Report No: SZ2017090195

Testing method	Characteristic	Requirement	Value identified	Evaluation
EN 13893	Dynamic coefficient of friction - μ	Class DS... $\geq 0,30$	0,4	S

Legend: S-satisfy

4.4 Classification of building product and area of direct application

4.4.1 Reaction to fire

The classification has been performed in compliance with the articles 12.6 and 12.9 of the standard EN 13501-1 (and art.4.1.4 of the standard EN 14041).

Classification of building product (thickness 3)

Testing method	Characteristic	Requirement	Value identified	Evaluation
EN ISO 11925-2 exposure-15s	Flame spread F_s	class B $F_s \leq 150\text{mm}$	Flame didn't spread more than 150 mm	S
EN ISO 9239-1	Critical heat flux ($\text{kW}\cdot\text{m}^{-2}$)	class B $\geq 8\text{kW}\cdot\text{m}^{-2}$	10,08	S
	Smoke (%. minute)	class s $\leq 750\%.\text{minute}$	54,56	S

Behaviors during burning	Smoke generation
Bfl	s1

Classification of the product according to reaction to fire:

On the basis of initial testing results the product shall be declared as class: Bfl

Additional classification according to smoke generation: s1

Modification of floor covering classification according to reaction to fire: Bfl-s1

4.4.2 Area of application

The present classification applies only for the assessed product with the above specified parameters (see art.1 of this protocol). The classification applies for the following final use of the product:

- underlying layer: the type testing results can be used if the density of practical underlying layer is min.0,75 multiple of density of standard substrate (according to EN 13238, art.5.1)
- method of laying: laying with use of dispersed adhesive or without use of adhesive.

4.4.2 Formaldehyde emission

The classification has been performed in compliance with the art.4.3 of the standard EN14041.

On the basis of initial testing result the product shall be declared as formaldehyde class E1.