

Report of the classification of the reaction to fire behaviour

No. 230009748-2
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Sponsor: Orafol Europe GmbH
Orafolstrasse 2

16515 Oranienburg

Order: Reaction to fire classification according to DIN EN 13501-1

Date of order: 22.09.2014

Name of the classified building product:

Digital print film as floor covering named „ORACAL 1663 mit ORAGUARD 255 AS“

This report determines the classification of the above-mentioned building product in accordance with the method specified in DIN EN 13501-1.

1 Description of the building product

The building product with the designation „ORACAL 1663 mit ORAGUARD 255 AS“ is a floor covering and is assembled as follows:

- Composite film consisting of a print substrate and a special PVC-film with an embossed slip-resistant structure on the surface. The composite film is glued by the manufacturer. A pressure sensitive adhesive made of polyacrylate is applied on the rear side of the print substrate.

The total thickness of the floor covering is 0.34 mm ($\pm 10\%$) and the total weight per unit area is 0.4 kg/m² ($\pm 10\%$).

2 Test reports and test results which form the basis of the classification

2.1 Test reports

Name of the laboratory	Sponsor	Number of the test report	Test method
MPA NRW	ORAFOL Europe GmbH	230009748-1 of 20.01.2015	EN ISO 9239 – 1 EN ISO 11925 – 2 (15 s Flame impingement)

2.2 Test results

Test method	Parameter	Number of tests	Test results	
			Average values	Requirements fulfilled
DIN EN ISO 11925 15 s Flame impingement	Flame spread ≤ 150 mm	6	--	Yes
DIN EN ISO 9239-1	Critical heat flux (kW/m ²)	3	> 11	--
	Smoke (%xmin)	3	19	--

3 Classification an direct field of application

3.1 Reference

The classification was carried out in accordance with clauses 12 and 14.2 of the standard DIN EN 13501-1: 2010.

3.2 Classification

The classification assigned to the tested floor covering with regard to its reaction to fire is: **B_{fl}**

The additional classification with regard to smoke production is: **s1**

This results in the following reaction to fire classification of the tested floor covering:

Reaction to fire		Smoke production
B_{fl}	--	s1

i.e. **B_{fl} – s1**

3.3 Field of application of the product

The classification is solely valid for the building product described in clause 1 when it is used as floor covering, laid horizontally – self-adhesive – onto substrates of Euro class A1 or A2 according to DIN EN 13501-1 with a density of at least 1350 kg/m³.

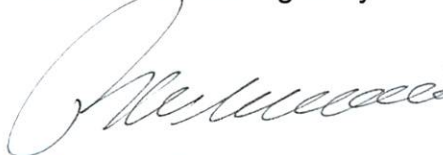
4 Restrictions

This classification report does not replace any type approval or certification of the product.

This classification report written in English language is issued additionally to the test report written in German language with the same report number. In case of doubt the German version is solely valid.

Erwitte, 20.01.2015

Head of the testing body



(Dipl.-Ing. Rademacher)



Engineer in charge



(W. Brune)

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