

CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-5:2016

Classification no.	2025-Efectis-R000993
Sponsor	Rosco Iberica S.A. Oro 76 Poligono Industrial Sur 28770 Colmenar Viejo Madrid Spain
Product name	Rosco Dance Floor
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Project number	ENL-25-000728
Date of issue	July 2025
Number of pages	6

1. INTRODUCTION

This classification report defines the classification assigned to **Rosco Dance Floor** in accordance with the procedures given in EN 13501-1:2018.

2. DETAILS OF CLASSIFIED PRODUCT

2.1 GENERAL

The product, **Rosco Dance Floor**, is defined as a floor covering.

2.2 PRODUCT DESCRIPTION

According to the sponsor the product is composed of:

- Two layers PVC-P with a glass fleece in between of surface density 50 g/m²;
- A flame retardant agent referenced as Sb₂O₃ used with a concentration of 0.5%.

The tested colours were white, black and purple.

The product has a total thickness of 1.2 to 2.6 mm, a density of approx. 1260 kg/m³ and a mass per unit area of approx. 1.5 kg/m² to 3.3 kg/m².

3. STANDARDS, TEST REPORTS & TEST RESULTS IN SUPPORT OF CLASSIFICATION

3.1 APPLICABLE (PRODUCT) STANDARDS

EN ISO 11925-2:2020	Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test
EN ISO 9239-1:2010	Reaction to fire tests for floorings - Part 1: Determination of the burning behaviour using a radiant heat source
EN 13238:2010	Reaction to fire tests for building products - Conditioning procedures and general rules for selection of substrates
EN 13501-1:2018	Fire classification of construction products and building elements Part 1: Classification using data from reaction to fire tests
EGR 003-2016	EGOLF RECOMMENDATION Selection of colours for covering a range

3.2 TEST REPORTS

Name of Laboratories	Name of sponsor	Test reports	Test method
Efectis Nederland BV THE NETHERLANDS	Rosco Iberica S.A. Spain	2022-Efectis-R001241 2022-Efectis-R001235	EN ISO 11925-2:2020 EN ISO 9239-1:2010

3.3 TEST RESULTS

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter – maximum	Compliance Parameters
EN ISO 11925-2 - surface flame impingement				
Purple, thickness 1.2 mm	Fs ≤150 mm	6	95	-
	Ignition of filter paper		-	Compliant
Black, thickness 1.2 mm	Fs ≤150 mm	2	80	-
	Ignition of filter paper		-	Compliant
Black, thickness 2.6 mm	Fs ≤150 mm	2	65	-
	Ignition of filter paper		-	Compliant
White, thickness 1.2 mm	Fs ≤150 mm	2	80	-
	Ignition of filter paper		-	Compliant
White, thickness 2.6 mm	Fs ≤150 mm	2	90	-
	Ignition of filter paper		-	Compliant
Purple, thickness 2.6 mm	Fs ≤150 mm	2	62	-
	Ignition of filter paper		-	Compliant

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter – mean (m)	Compliance Parameters
EN ISO 9239-1				
Purple, thickness 2.6 mm	Critical Heat Flux [kW/m ²]	3	8.3	-
	Smoke density [%.min]		237	-
Black, thickness 1.2 mm	Critical Heat Flux [kW/m ²]	1	9.7	-
	Smoke density [%.min]		74	-
Black, thickness 2.6 mm	Critical Heat Flux [kW/m ²]	1	9.7	-
	Smoke density [%.min]		123	-
White, thickness 1.2 mm	Critical Heat Flux [kW/m ²]	1	9.2	-
	Smoke density [%.min]		88	-
White, thickness 2.6 mm	Critical Heat Flux [kW/m ²]	1	9.0	-
	Smoke density [%.min]		182	-
Purple, thickness 1.2 mm	Critical Heat Flux [kW/m ²]	1	10.1	-
	Smoke density [%.min]		70	-

3.4 CLASSIFICATION CRITERIA

Classification criteria of the Flooring Radiant Panel (FRP) test			
Classification criteria			
Class	B_{fl}	C_{fl}	D_{fl}
Test method(s)			
EN ISO 11925-2 Exposure = 15 s	F _s ≤ 150 mm within 20 s		
EN ISO 9239-1 Critical flux [kW/m ²]	≥ 8.0	≥ 4.5	≥ 3.0
Additional classification			
Smoke production	s1 = ≤ 750% min s2 = > 750% min		

4. CLASSIFICATION AND FIELD OF APPLICATION

4.1 REFERENCE OF CLASSIFICATION

This classification has been carried out in accordance with clause 12 of EN 13501-1:2018.

4.2 CLASSIFICATION

The product, **Rosco Dance Floor**, in relation to its reaction to fire behaviour is classified:

B_{fl}

The additional classification in relation to smoke production is:

s1

Reaction to fire classification: B_{fl} - s1

4.3 FIELD OF APPLICATION

4.3.1 Direct field of application

This classification is valid for the following product parameters:

Thickness	1.2 to 2.6 mm
Surface density	1.5 kg/m ² to 3.3 kg/m ²
Construction	Two layers PVC-P with a glass fleece in between
Colours	All

This classification is valid for the following end use applications:

Substrate	Non-combustible (class A1/A2, ISO 390 and EN 13238:2010, 1800 ± 200 kg/m ³ – 6 mm)
Air gap	None
Methods and means of fixing	Loosely laid
Joints	None

4.4 DURATION OF THE VALIDITY OF THIS CLASSIFICATION REPORT

Consult classification standard and national laws and regulations for limitations on the period of validity of the classification.

5. LIMITATIONS

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



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