
CLASSIFICATION OF REACTION TO FIRE ACCORDANCE WITH EN 13501-1:2018

1. Introduction

This classification report defines the classification assigned to Iron-Horse Eco in accordance with the procedures in EN 13501-1:2018.

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Notified Body No: 3039

Product name: Iron-Horse Eco

Classification report No: SL/Z-448/EN13501/0516a/2025

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This classification report consists of four pages and may only be used or reproduced in its entirety.

2. Details of classified product

2.1. General

The product, Iron-Horse Eco.

2.2. Product description

The product, Iron-Horse Eco, is described below or is described in the reports provided in support of classification listed in 3.1

black and red floor mat with a pile height of 3,4-6,8 mm, on a black rubber backing with a height of 1,2-1,8 mm and a weight per unit area of 2,2-2,3 kg/m², marked IH Eco.

3. Reports and results in suport of this classification

3.1. Specific conditions

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3.2. Reports

Name of Laboratory	Name of sponsor	Report ref. No.	Test method and date Field of application rules and date
Sychta Laboratorium Sp. J.	Kleen-Tex Polska Sp. z o.o.	SL/Z-448/EN9239/0515/2025	EN ISO 9239-1 EN ISO 11925-2 29-30.04.2025

3.3. Results

Test method and test numer	Parameter	No. Tests ^a	Results	
			Continuous parameter - mean (m)	Compliance with parameters
PN-EN 9239-1	HF-30, kW·m ⁻²	3	4,8	(-)
	Smoke Sc, %·min		456	(-)
PN-EN ISO 11925-2 Exposure time 15 s	Flame spread > 150 mm in 20 s, mm	6	(-)	Compliant
	Ignition of paper		(-)	Compliant

^a Not for extended application, (-): not applicable

4. Classification and field of application

4.1. Reference of classification

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

4.2. Classification

The product, Iron-Horse Eco, in relations to its reaction to fire behaviour is classified:

C_{fl}

The additional classification in relations to smoke production is:

s1

The format of the reaction to fire classification for floorings products is:

Fire behaviour		Smoke production	
C_{fl}	-	s	1

Reaction to fire classification C_{fl} -s1

4.3. Field of application

This classification is valid for the following product parameters:

- Fleece material: 100% High-Twist Nylon Polyamide 6.6 made from at least 75% recycled material
- Fleece weight: 700 g/m²
- Pile height: 9 mm
- Backing material: 100% phthalate-free nitrile rubber
- Weight: 1.7 kg/m²
- Backing height: 1.4 mm
- Backing finish: Glued or flat
- Total product height: ~10 mm
- Total product weight: 2.4 kg/m²

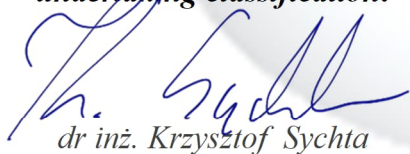
The classification is valid for the following end use applications:

- laying and/or fixing to mineral substrates of class A1fl or A2fl-s1/s2
- gluing to mineral substrates of class A1fl or A2fl-s1/s2 will not cause deterioration of the fire properties of the product.

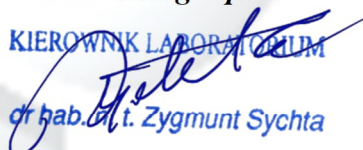
5. Limitations

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

**Signature of person
undertaking classification:**


dr inż. Krzysztof Sychta

**Signature of person
authorising report:**


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