

Almedals Trägolvsaktiebolag
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Classification of reaction to fire in accordance with EN 13501-1

1 Introduction

This classification report defines the classification assigned to “Industriparkett Design 2.0”, ”Design XL” and “Ädelträtilja” in accordance with the procedure given in EN 13501-1:2018.

This report replaces RISE report O100352-132178-1, dated May 3, 2021. This revision includes a new test report reference and inclusion of products ”Design XL” and “Ädelträtilja” and some minor updates.

2 Details of classified product

2.1 General

The products “Industriparkett Design 2.0”, ”Design XL” and “Ädelträtilja” are defined as wood flooring. Their classification is valid for the following end use application: internal flooring.

According to the owner of this classification report, this products complies with the European product specification EN 14342.

2.2 Product description

The product, “Industriparkett Design 2.0”, ”Design XL” and “Ädelträtilja” are fully described below.

According to client:

Floor covering called ”Industriparkett Design 2.0” consisting of solid ash or solid oak. The product has a nominal area weight of 5.5 kg/m² and a nominal thickness of 8 mm. The product is glued to a polyester mat called “Würth CERAFix 205”, having an area weight of 160 g/m² and thickness of 0.8 mm, with ”Wakol D 1640”, glue amount 800 g/m² approximately.

Floor covering called ”Design XL”, consisting of solid ash or solid oak. The product has a nominal area weight of 12 kg/m² and a nominal thickness of 21 mm. The floor covering was glued to a polyester mat called “Würth CERAFix 205”, having an area weight of 160 g/m² and thickness of 0.8 mm, with ”Wakol D 1640”, glue amount 800 g/m² approximately.

Floor covering called ”Ädelträtilja”, consisting of solid ash or solid oak. The product has a nominal area weight of 13 kg/m² and a nominal thickness of 21 mm.

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3 Reports and results in support of this classification

3.1 Test reports

Table 1 Test reports forming the basis for this classification.

Name of laboratory	Name of sponsor	Test report reference no	Accredited test methods and date
RISE	Almedals Trägolvsaktiebolag	O100352-132178	EN ISO 9239-1:2010 and EN ISO 11925-2:2020
RISE	Almedals Trägolvsaktiebolag	O100352-165362	EN ISO 9239-1:2010

3.2 Test results

The test results listed below show the worst case as found in the test programme performed and reported according to the table above. The GNB-CPR position paper from SH02 – EN 14342:2005 Fire testing and classification protocol for wood floorings – NB-CPR/SH02 N827r1 - from the group of notified bodies, has been applied in the process of selecting suitable products for testing.

Table 2 Test results showing the worst case as found in the test program performed.

Test method	Parameter	Number of tests	Results	Continuous parameter mean (m)	Compliance parameter
EN ISO 11925-2		12			
15 s exposure	$F_s \leq 150 \text{ mm}$		(-)		Compliant
EN ISO 9239-1		7			
	<i>Critical flux</i> (kW/m ²)		4.9		Compliant
	<i>Smoke</i> (%.min)		15		Compliant

(-) : not applicable

4 Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 12 and 15 of EN 13501-1:2018.

4.2 Classification

The products called “Industriparkett Design 2.0”, ”Design XL” and “Ädelträtilja” in relation to their reaction to fire behaviour are classified:

C_{fl}

The additional classification in relation to smoke production is:

s1

The format of the reaction to fire classification for floorings 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:

Product description, as specified in 2.2 in this report

This classification is valid for the following end use applications:

Substrates

- Any end use substrate at least 6 mm thick of Euroclasses A1 or A2-s1,d0 having a density $\geq 1350 \text{ kg/m}^3$.

Fixings

“Industriparkett Design 2.0”

- Adhesive ”Wakol D 1640”, amount 800 g/m^2 .

“Design XL”

- Adhesive ”Parkettlim Wakol MS 260”, amount 1000 g/m^2 .

“Ädelträtilja”

- Mechanically fixed.

The sample was delivered by the client. RISE, Fire Technology was not involved in the sampling procedure.

5 Limitations

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

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