

Horda Stans AB  
Grankärrvägen 1  
330 18 HORDA

## Reaction to fire classification report

### 1 Introduction

This classification report defines the classification assigned to the product “Hordfelt FR 1500 g/m<sup>2</sup> + Xtreme CS, 10 mm” in accordance with the procedure given in EN 13501-1:2018.

### 2 Details of classified product

#### 2.1 General

The product “Hordfelt FR 1500 g/m<sup>2</sup> + Xtreme CS, 10 mm” is defined as a construction product and building element. Its classification is valid for the following end use application: construction product and building element.

#### 2.2 Product description

The product, Hordfelt FR 1500 g/m<sup>2</sup> + Xtreme CS, 10 mm, is fully described in the test report provided in support of classification listed in Clause 3.1.

### 3 Test report

#### 3.1 Test report

This classification is based on the test report listed below:

Name of laboratory	Name of sponsor	Test report ref no	Accredited test method
RISE	Horda Stans AB	9P00785-2	EN 13823 EN ISO 11925-2

## RISE Research Institutes of Sweden AB

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**3.2 Test results**

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean (m)	Compliance with parameters
EN ISO 11925-2		12		
Edge/Surface flame attack**				
30 s exposure	$F_s \leq 150 \text{ mm}$		(-)	Compliant
Flaming droplets/particles	Ignition of filter paper		(-)	No ignition of filter paper
EN 13823		3		
	$FIGRA_{0,2MJ} \text{ (W/s)}$		28	Compliant
	$FIGRA_{0,4MJ} \text{ (W/s)}$		16	Compliant
	$LFS < \text{edge}$		(-)	Compliant
	$THR_{600s} \text{ (MJ)}$		1.1	Compliant
	$SMOGRA \text{ (m}^2/\text{s}^2\text{)}$		6	Compliant
	$TSP_{600s} \text{ (m}^2\text{)}$		48	Compliant
	Flaming droplets/particles		(-)	No flaming droplets/particles

\*\* : as required to the end use application of the product

(-) : not applicable

**4 Classification and field of application****4.1 Reference and direct field of application**

This classification has been carried out in accordance with clause 11 and 15 of EN 13501-1:2018.

**4.2 Classification**

The product called “Hordfelt FR 1500 g/m<sup>2</sup> + Xtreme CS, 10 mm” in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s1

The additional classification in relation to flaming particles/droplets is:

d0

The format of the reaction to fire classification for construction products excluding floorings and linear pipe thermal insulation product is:

Fire Behaviour		Smoke Production			Flaming Droplets	
<b>B</b>	<b>-</b>	<b>s</b>	<b>1</b>	<b>,</b>	<b>d</b>	<b>0</b>

**Reaction to fire classification: *B-s1,d0***

#### 4.3 Field of application:

This classification is valid for the following product parameters:

Product description, as specified in the test reports provided in support of classification listed in Clause 3.1.

Nominal thickness: 10 mm.

Nominal density: 150 kg/m<sup>3</sup>.

This classification is valid for the following end use conditions:

Substrates

- Any end use substrate of Euroclasses A1 or A2-s1,d0 at least 9 mm thick, having a density  $\geq 652$  kg/m<sup>3</sup>.

Fixings

- Mechanically fixed.

The sample was delivered by the client. RISE Safety - Fire Research was not involved in the sampling procedure.

## 5 Limitations

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

**RISE Research Institutes of Sweden AB**  
**Safety - Fire Research Materials**

Performed by

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