

Kåbe-mattan
Sågverksvägen 10
516 893 Fjugesta

Reaction to fire classification report

1 Introduction

This classification report defines the classification assigned to the products “Kåbe Original”, “Kåbe Original Tandad”, “Kåbe Original Kulör” and “Kåbe de Luxe” in accordance with the procedure given in EN 13501-1:2007+A1:2009.

2 Details of classified product

2.1 General

The product “Kåbe Original” is defined as a entrance mat. Its classification is valid for the following end use application: as floor covering.

2.2 Product description

According to the client:

Entrance mat designated “Kåbe Original” consisting of flat bars of aluminum alloy, EN AW-6005-A-TG with intermediate rubber strip, EPDM 70° Shore.

The aluminum bars has a density of 2600 – 2900 kg/m³ and the dimension 12 x 4.5 mm.

The rubber strip has a nominal density of 1.17 g/cm³ and a nominal thickness of 3.7 mm. The height of the strip can be either 22 mm or 18 mm.

The rubber strip and the aluminum bars are riveted together. The mat is held together by stainless steel wire with diameter 2.3 mm.

The entire entrance mat has a nominal area weight of 12 kg/m².

3 Test report & test results in support of classification

3.1 Test reports

This classification is based on the test report listed below:

Name of laboratory	Name of sponsor	Test report ref no	Accredited test method
SP	Kåbe-mattan	3P08082	EN ISO 11925-2

SP Technical Research Institute of Sweden

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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 tests have been carried out on products covering the area weight range and thickness range of the product group.

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

4 Classification and field of application

4.1 Reference and direct field of application

This classification has been carried out in accordance with clause 12 and 15 of EN 13501-1:2007+A1:2009.

4.2 Classification

The products called “Kåbe Original”, “Kåbe Original Tandad”, “Kåbe Original Kulör” and “Kåbe de Luxe” in relation to its reaction to fire behaviour is classified:

$$E_{fl}$$

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

Fire Behaviour
E_{fl}

Reaction to fire classification: E_{fl}

4.3 Field of application:

This classification is valid for the following product parameters:

Nominal thickness of rubber strip, EPDM 70° Shore: 3.7 mm.

Nominal density of rubber strip, EPDM 70° Shore: 1.17 g/cm³.

This classification is valid for the following end use applications:

Substrates

- Any end use substrate at least 6 mm thick of Euroclasses A1_{fl} or A2_{fl} having a density ≥ 1350 kg/m³.

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

5 Limitations

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

SP Technical Research Institute of Sweden Fire Technology - Fire Dynamics

Performed by



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Examined by



Per Thureson

This is a translation from the Swedish original document. In the event of any dispute as to the content of the document, the Swedish text shall take precedence.