REPORT
issued by an Accredited Testing Laboratory

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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 product "Wooden" in accordance with the procedure given in EN 13501-1:2018.

2 Details of classified product

2.1 General

The product "Wooden" is defined as a self-supporting coated metal steel sheet. Its classification is valid for the following end use applications: Wall cladding and roofing profiles.

According to the owner of this classification report, this product complies with the European product specification EN 14782:2006 and EN 14783:2013.

2.2 Product description

The product, "Wooden" (as described by the sponsor), is fully described below.

Colil coated R.M.P (Regular Modified Polyester) on Hot Dip Galvanized steel sheet called "WOODEN", nominal thickness 0.5 – 0.6 mm. The front side coating consists of a polyester based primer, top and clear layer with a total nominal area weight of 74 g/m^2. The back side coating consists of an epoxy based paint layer with a total nominal area weight of 15 g/m^2. The color of the product is black.

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	Areco Metals AB	2P06303	EN 13823:2010+A1:2014
RISE	Areco Metals AB	2P06303-01	EN ISO 1716:2010

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3.2 Test results

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 with parameters
EN 13823		3		
	$FIGRA_{0,2MJ}$ (W/s)		0	Compliant
	$FIGRA_{0,4MJ}$ (W/s)		0	Compliant
	LFS < edge		(-)	Compliant
	THR_{600s}, (MJ)		0.3	Compliant
	$SMOGRA$, (m^2/s^2)		0	Compliant
	TSP_{600s}, (m^2)		25	Compliant
	Flaming droplets/particles		(-)	No flaming droplets/particles
EN ISO 1716		3		
	PCS (MJ/m^2) (2)		1.71	Compliant
	PCS (MJ/m^2) (2)		0.50	Compliant
	PCS (MJ/kg) (4)		0.43	Compliant

(-) : not applicable

(2): for non-homogeneous products the parameter for each external non-substantial component is given

(4): the parameter for the product as a whole

4   Classification and field of application

4.1   Reference of classification

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

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4.2 Classification

The product called "Wooden" in relation to its reaction to fire behaviour is classified:

A1

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

Fire Behaviour
A1

Reaction to fire classification: *A1*

4.3 Field of application:

This classification is valid for the following product parameters:

Product description, as specified in 2.2 in this report

- Front side coating, polyester based primer, top and clear layer, total nominal area weight of 74 g/m^2.
- Back side coating, epoxy based paint layer, total nominal area weight of 15 g/m^2.
- Nominal thickness: ≥ 0.5 mm.
- All grades of steel.

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
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