

Reaction to fire classification report No. 18570A

Owner of the classification report

Aleris Aluminium Duffel BVBA
A. Stocletlaan 87
2570 Duffel
Belgium

Introduction

This classification report defines the classification assigned to the product '55HX®' following the Commission Decision of 4 October 1996 (96/603/EG), as amended by 2000/605/EG and 2003/424/EG, establishing the list of products belonging to Class A1 'No contribution to fire' – General note: a material shall not consist of more than 1,0 % by weight or volume of homogeneously distributed organic material. This Commission Decision is referenced in the European Classification Standard EN 13501-1:2007+A1:2009.

This classification report consists of 4 pages

1. DETAILS OF CLASSIFIED PRODUCT

a) Nature and end use application

The product **55HX®** is defined as an 'aluminum alloy coil and sheet'.

Its classification is valid for the following end use application(s):

Used for architectural applications in façades, claddings, ceilings, walls and roofs.

b) Description of the classified product

This description is based on information given by the sponsor.

Nominal values	
55HX®	
Type of product	Aluminum alloy with a chemical composition in accordance with EN 573-3:2013.
Alloy designation number according to EN 573-3:2013	EN AW-5005
Manufacturer/supplier	Aleris Aluminium Duffel BVBA
Thickness (mm)	
55HX® Coil	0,3 – 5
55HX® Sheet	0,6 – 5
Density (kg/m³)	2700
Organic content by weight or volume (%)	≤ 1
Use of fire retardants	No
Colour	Various colours (obtained by anodizing)

2. TEST REPORTS AND TEST RESULTS IN SUPPORT OF THIS CLASSIFICATION

Since the organic content by weight and volume is lower than 1,0 %, the product is deemed to satisfy euro class A1 without testing according to the Commission Decision of 4 October 1996 (96/603/EG), as amended by 2000/605/EG and 2003/424/EG.

3. CLASSIFICATION AND FIELD OF APPLICATION

a) Reference of classification

This classification has been carried out in accordance with the Commission Decision of 4 October 1996 (96/603/EG), as amended by 2000/605/EG and 2003/424/EG, establishing the list of products belonging to Class A1 'No contribution to fire' – General note: a material shall not consist of more than 1,0 % by weight or volume of homogeneously distributed organic material. This Commission Decision is referenced in the European Classification standard EN 13501-1:2007+A1:2009.

The related product standards are EN 573-3:20013 (chemical composition) and EN 485-2:2016 (mechanical properties).

b) Classification

The product **55HX®** in relation to its reaction to fire behavior is classified as:

Fire behavior
A1

c) Field of application

This classification for the product as described in §1b, is valid for the following end use conditions:

- Product as such

This classification is valid for the following product parameters:

- Nominal thickness:
 - 55HX® Coil: 0,3 mm – 5 mm
 - 55HX® Sheet: 0,6 mm – 5 mm
- Nominal density: 2700 kg/m³
- Alloy designation number according to EN 573-3:2013: EN AW-5005
- Organic content by weight and volume: ≤ 1 %
- Use of fire retardants: No
- Colours: Various colours (obtained by anodizing)

4. RESTRICTIONS

At the time the standard EN 13501-1:2007+A1:2009 was published, no decision was made concerning the duration of validity of a classification report.

Provisions of Regulation (EU) 305/2011, commonly known as the Construction Products Regulation (CPR), prevail over any conflicting provisions in the harmonised standards and technical specifications.

5. WARNING

This classification report does not represent type approval nor certification of the product.

a) Concerning Declaration of Performance (DoP) according to CPR

The classification assigned to the product in this report is appropriate to a Declaration of Performance (DoP) of the essential characteristics of the construction product by the manufacturer within the context of a System 3 Assessment and Verification of Constancy of Performance (AVCP).

Under the Construction Products Regulation (CPR: EU 305/2011), such a Declaration of Performance (DoP) is a requirement for affixing the CE marking.

b) Concerning Declaration of Conformity according to CPD (following EN 13501-1:2007+A1:2009)

According to EN 13501-1:2007+A1:2009: Annex B - Reaction to fire classification report § 5 'Limitations':

"The classification assigned to the product in this report is appropriate to a Declaration of Conformity by the manufacturer within the context of a System 3 Attestation of Conformity and CE marking under the Construction Products Directive."

PREPARED BY

APPROVED BY

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