

CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH UNE-EN 13501-1:2019

AP/F
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Petitioner's reference: **Tremco CPG Germany GmbH**
Werner-Haepf-Strasse 1,
92493 Bodenwöhr (Germany)

Prepared By: **LGAI Technological Center, S.A.**
(APPLUS)
Campus UAB
Ronda de la Font del Carme, s/n
E - 08193 Bellaterra (Barcelona)

Product name: **Illbruck ME060**

Classification report n°: **24/32301143-1**

Date of issue: **3th April, 2024**

1.- INTRODUCTION

This classification report defines the classification assigned to Illbruck ME060 in accordance with the procedures given in the UNE-EN 13501-1:2019 standard.

2.- DETAILS OF CLASSIFIED PRODUCT

2.1.- General

According to the petitioner's indications the product, Illbruck ME060, is defined as a flexible sheet for waterproofing – plastic and rubber vapour control layer according to standard EN 13984:2013.

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2.2.- Product description

Glassfiber with aluminium foil samples, which Applus code 24/21473, was received with the following indications in accordance with the technical specifications provided by the petitioner:

Product trade name: **Illbruck ME060**

According to the petitioner’s indications the product, Illbruck ME060, is defined as a flexible sheet for waterproofing – plastic and rubber vapour control layer according to standard EN 13984:2013.

Glassfiber with aluminium foil.

Technical details of the sample:

The sample has 3 layers:

Layer n°1: Glassfiber with a thickness of 0,1 mm, a density of 980 kg/m³, a superficial density of 0,098 kg/m² and white colour.

Layer n°2: Vinyl acetate with a superficial density of 0,01 kg/m² and white colour. The thickness and density values are unknown.

Layer n°3: Aluminium foil with a thickness of 0,01 mm, a density of 2700 kg/m³, a superficial density of 0,027 kg/m² and grey colour.

Manufacturer: Tremco CPG Germany GmbH, Werner-Haepf-Strasse 1, 92493 Bodenwöhr Germany.

3.- REPORT AND RESULTS IN SUPPORT OF THIS CLASSIFICATION

3.1- Reports

Name of Laboratory	Name of Petitioner	Test Report Number	Testing method and date
Applus – LGAI	Tremco CPG Germany GmbH	24/32301143-1	UNE-EN ISO 1716:2011 ¹ 20-02-2024

¹Due to classification standard UNE-EN 13501-1:2019 call up test standard UNE-EN ISO 1716:2011, we do not test the current version of it.

3.2- Results of the Tests

Test Mode	RESULTS – Illbruck ME060			
	CRITERIA CLASS A1	Nº TESTS	AVERAGE	COMPLIANCE
UNE-EN ISO 1716:2011	PCS ≤ 2.0 MJ/kg (1)	3	1,95 MJ/kg	YES
	PCS ≤ 2.0 MJ/kg (2)		1,95 MJ/kg	YES

- (1) Non substantial external components: (Glassfiber – Vinyl acetate – Aluminium foil)
 (2) Product as a whole

Due to classification standard UNE-EN 13501-1:2019 (EN 13501-1:2018) call up test standard UNE-EN ISO 1716:2011, we do not test the current version of it.

For this product, does not apply to carry out test according to standard UNE EN ISO 1182:2011, because in this non-homogenous product there is not substantial component.

4.- CLASSIFICATION AND FIELD APPLICATION

4.1- Reference of classification

This classification has been carried out in accordance with UNE-EN 13501-1:2019: "Classification in terms of the behaviour to fire of construction products and building elements. Part 1: Classification made from the data gathered during fire reaction tests".

4.2- Classification

The product, Illbruck ME060, in relation to its reaction to fire behaviour is classified:

A1

The additional classification in relation to smoke production is:

-

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

-

Fire Behaviour		Smoke Production			Flaming droplets	
A1	-	s	-	,	d	-

REACTION TO FIRE CLASSIFICATION : A1

This classification is only valid for the final conditions of use described in the present report.

4.3- Field of application

- This classification is valid for the following product parameters:

The classification is only valid for the product characteristics shown.

- The classification is valid for the following final use applications:

Vapour barrier membrane.

5.- LIMITATIONS

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

Laboratory Manager
LGAI Technological Center S.A. (APPLUS)

Responsible of Euroclasses
LGAI Technological Center S.A. (APPLUS)

The uncertainties expressed in this document pertain to the expanded uncertainty, which has been obtained by multiplying the typical measurement uncertainty by the coverage factor $k=2$ which, for a regular distribution, corresponds to a coverage probability of approximately 95%.

The results refer exclusively to the samples tested at the time and under the conditions indicated. The results refer exclusively to the samples tested at the time and under the conditions indicated. At the customer's request, the agreed decision rule to declare conformance to the specification or standard, is by following a simple binary decision rule. In this case, the upper limit of the probability value of false acceptance or false rejection, according to ILAC G8, is 50%.

Uncertainty associated to the determination of the combustion heat test: PCS (glassfiber)= $\pm 0,24$ MJ/kg; PCS (vinyl acetate)= $\pm 0,83$ MJ/kg

Applus+ guarantees that this task has been carried out in compliance with the requirements of our Quality and Sustainability System, and furthermore, that the contractual terms and legal regulations have been complied with. In the framework of our improvement programme, we would appreciate any comments you may deem appropriate. These should be addressed to the manager who signs this document, or to the Quality Director of Applus+, at the following address: satisfaccion.cliente@applus.com
