

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

D/F
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Petitioner's reference: **TEXFIRE TÈXTILS TÈCNICS, S.L.**
C/Llobateres, 29 Pol. Ind. Santiga,
08210 Barberà del Vallès
Barcelona

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Product name: **WELP2 GRIS**

Classification report n°: **23/32301665-2 English Version**

Date of issue: **21th March, 2022**

1.- INTRODUCTION

This classification report defines the classification assigned to WELP2 GRIS in accordance with the procedures given in the UNE-EN 13501-1:2019 standard.

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2.- DETAILS OF CLASSIFIED PRODUCT

2.1.- General

The product, WELP2 GRIS, is defined as a fiberglass fabric with a special finish on both sides of the fabric, according to petitioner.

2.2.- Product description

In accordance with the technical specifications provided by the petitioner:

Product trade name: **WELP2 GRIS**

Technical details of the sample:

Fiberglass - fabric with a thickness of 0,37 mm, a density of 1243,24 kg/m³ (It has been calculated with the values of thickness and superficial density provided by the petitioner), a superficial density of 460 g/m², grey colour and smooth appearance.

Fixing system: The product was fixed on a metallic perimeter frame.

Manufacturer: TEXFIRE TÈXTILS TÈCNICS, S.L. Address: C/Llobateres, 29 Pol. Ind. Santiga, 08210 Barberà del Vallès, Barcelona

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	TEXFIRE TÈXTILS TÈCNICS, S.L.	23/32301665-1	UNE-EN ISO 1716:2011 ¹ 08-03-2023
			UNE-EN 13823:2021 06-03-2023

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 – WELP2 GRIS			
	CRITERIA CLASS A2	Nº TESTS	AVERAGE	COMPLIANCE
UNE-EN ISO 1716:2011	$PCS_1 \leq 4.0 \text{ MJ/kg}$	3	1,36	YES
UNE-EN 13823:2021	$FIGRA_{0,2 \text{ MJ}} \leq 120 \text{ W/s}$	3	0,00	YES
	LFS < edge of the sample	3	< to edge	YES
	$THR_{600s} \leq 7,5 \text{ MJ}$	3	0,26	YES
	CRITERIA subclass 's1'	Nº TESTS	AVERAGE	COMPLIANCE
	$SMOGRA \leq 30 \text{ m}^2/\text{s}^2$	3	0,00	YES
	$TSP_{600s} \leq 50 \text{ m}^2$	3	18,08	YES
	CRITERIA subclass 'd0'	Nº TESTS	AVERAGE	COMPLIANCE
	Fall of droplets/particles in flames within 600 s	3	NO	YES

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, WELP2 GRIS, in relation to its reaction to fire behaviour is classified:

A2

The additional classification in relation to smoke production is:

s1

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

d0

Fire Behaviour		Smoke Production				Flaming droplets	
A2	-	s	1	,	d	0	

REACTION TO FIRE CLASSIFICATION : A2-s1,d0

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:

WELP2 GRIS is intended to be used for screens, curtains, heat shields, fire dampers and other textile products to protect against flames, fumes and high temperatures.

Substrate	Without substrate
Fixing method	Fixed to a metallic perimeter frame
Joints	No
Air gap	40 mm separation and ventilated
Others	

5.- LIMITATIONS

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



Digitally signed by
Salvador Suñol Gálvez



Digitally signed by Vanessa
Tutusaus Domingo

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

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

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= $\pm 0,19$ MJ/kg; Uncertainty associated to the Single Burned Item (SBI) Test: FIGRA0,2MJ= $\pm 7,90$ W/s; THR600s= $\pm 1,61$ MJ; SMOGRA= $\pm 6,73$ m²/s²; TSP600s= $\pm 11,20$ m²; Time(Fall of droplets/particles)=N.A.

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In the event of litigation, the Spanish version will be valid
