תעודת סיווג מס' 7313203893
בהתאם לסעיף 12 לחוק התקנים תשי"ג - 1953

פרטי ההזמנה

שם המזמין : אי.אפ.אס. הנדסה בע"מ

מענו : כביש 444 טירה

תאריך ההזמנה : 13/02/2023

תאור המוצר

צמנט בורד קל משקל דגם SECOLITE בעובי 12.5 מ"מ עשוי מצמנט פורטלנד אגרגטים חומרים אי אורגניים נוספים ומחוזק משני הצדדים ברשת מסיבי זכוכית תוצרת .PLACACEM LDA, פורטוגל.

פרטי הנטילה

הדוגמה ניטלה בתאריך : 13/02/2023

הדוגמה נבחרה ע"י בא כוח : המזמין

מקום הנטילה : אין מידע

מהות הבדיקה

סיווג המוצר בשרפה לפי תקן ישראלי ת"י 755 " סיווג בשרפה של מוצרי בנייה ואלמנטי בניין – שיטות בדיקה וסיווג לפי תוצאות הבדיקה " (יולי 2013) זהה לתקן אירופי EN 13501-1:2007.

מסמך זה מכיל דף אחד ונספח של 7 דפים ואין להשתמש בו אלא במלואו	**תוצאות הבדיקה במסמך זה מתייחסות רק לפריט שנבדק**	

סיכום

על בסיס תעודת סיווג מס' ETE002/23 מתאריך 03.02.2023 של מעבדה ITECONS (פורטוגל) המצורפת בזאת, צמנט בורד קל משקל דגם SECOLITE בעובי 12.5 מ"מ עשוי מצמנט פורטלנד אגרגטים חומרים אי אורגניים נוספים ומחוזק משני הצדדים ברשת מסיבי זכוכית תוצרת .PLACACEM LDA (פורטוגל), כמפורט בתיאור המוצר, סווג לפי תגובתו בשרפה **A1**. הסיווג תקף עבור המוצר בעובי 12.5 מ"מ צפיפות 1080 ק"ג/מ"ק ומסה ליחידת שטח 13500 גר'/מ"ר עשוי מאותם החומרים באותם היחסים בלבד.

(פרטים ראה בגוף התעודה)

מסמך זה אינו היתר לסימון המוצר בתו תקן

שם החותם: גנאדי ברלין
תפקידו : מהנדס בכיר

שם החותם: דודו ואהוב
תפקידו : ראש ענף תלונות מערכות מיגון ובטיחות אש

תאריך: 14/02/2023

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Fire classification of construction products and building elements (EN 13501-1:2018)

SECOLITE® cement board (12,5 mm)

Customer:

Placacem Lda.
Zona Industrial de Vagos, Lotes 50 e 52
3840-385 Vagos (Aveiro)

TEST REPORT

(ETE002/23)

This report annuls and replaces the Test Report with reference ETE037/21

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Test Report

Fire classification of construction products and building elements (EN 13501-1:2018). SECOLITE® cement board (12,5 mm)

1 - Introduction

This classification report, elaborated by Itecons - Institute for Research and Technological Development for Construction, Energy, Environment and Sustainability, located in Rua Pedro Hispano, s/n, 3030-289 Coimbra, and requested by the company "Placacem Lda.", defines the classification assigned to the product with the reference "SECOLITE® cement board" with nominal thickness of 12,5 mm, in accordance with the procedures given in EN 13501-1:2018 - «Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests».

This classification report defines the classification assigned to the product with the reference "SECOLITE® cement board" with nominal thickness of 12,5 mm, using data from reaction to fire tests.

This report annuls and replaces the Test Report with reference ETE037/21, due to report reference correction indicated in the sub-chapter 3.1.

2 - Details of classified product

As described by the sponsor, the classified product, "SECOLITE® cement board" with nominal thickness of 12,5 mm, is defined as a light-weight board made of Portland cement, aggregates and other inorganic materials, reinforced on both sides with embedded glass fiber, according to the European Techical Specification EN 12467:2012+A2:2018.

The classified product is a non-homogeneous product and is composed of one substantial component and two external non-substantial components:

- **substantial component**: light-weight board made of Portland cement, aggregates and other inorganic materials with a mass per unit area of 13230 g/m^2
- **external non-substantial component**: glass fiber with a mass per unit area of 135 g/m^2

The customer was responsible for sampling.

The results presented apply to the sample as received.

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3 - Reports and results in support of this classification

In the following sub-chapters, the information of the reports issued and results obtained in the reaction to fire tests required for the classification of the product are presented.

The results presented refer exclusively to the tested specimens.

3.1 - Reports

In Table 1 are presented the references of the reports and date of the tests required for classification.

Table 1: References of the Reports and date of the tests required for classification

Name of Laboratory	Name of sponsor	Report ref. no.	Test method and date	
Itecons	Placacem Lda.	ETE031/21	ISO 1182:2010	carried out in 17/03/2021
		ETE032/21	ISO 1716:2010	carried out in 23/03/2021
		ETE033/21	ISO 1716:2010	carried out in 23/03/2021
		ETE034/21	ISO 1716:2010	carried out in 23/03/2021
		ETE035/21	EN 13823:2010+A1:2014	carried out in 31/03/2021

3.2 - Results

In Table 2 are presented the results of the tests required for classification.

Table 2: Results of the tests required for classification

Test method(s)	Parameter	No. Tests	Results	
			Continuous parameter - mean (m)	Compliance with parameters
ISO 1182:2010	ΔT (°C)	5	0,5	Compliant with ΔT ≤ 30 °C
	Δm (%)		13,7	Compliant with Δm ≤ 50%
	tf (s)		0	Compliant with tf = 0 (i.e. no sustained flaming)

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Table 2 (continued): Results of the tests required for classification.

Test method(s)	Parameter	No. Tests	Results	
			Continuous parameter - mean (m)	Compliance with parameters
ISO 1716:2010	PCS (MJ/kg) substantial component	3	0,04	Compliant with PCS ≤ 2,0 MJ/kg
	PCS (MJ/kg) external non-substantial component	3	11,24	Non-compliant with PCS ≤ 2,0 MJ/kg
	PCS (MJ/m²) external non-substantial component	3	1,52	Compliant with PCS ≤ 2,0 MJ/m²
	PCS (MJ/kg) product as a whole	---	0,26	Compliant with PCS ≤ 2,0 MJ/kg
EN 13823:2010 +A1:2014	FIGRA (W/s)	3	0,0	Compliant with FIGRA ≤ 20 W/s
	LFS		< edge of specimen	Compliant
	THR_{600s} (MJ)		0,1	Compliant with THR 600s ≤ 4,0 MJ
	SMOGRA (m^2/s^2)		0,0	Compliant with SMOGRA ≤ 30 m^2/s^2
	TSP_{600s} (m^2)		3,0	Compliant with TSP 600s ≤ 50 m^2
	Flaming droplets/particles		No	Compliant with no flaming droplets/particles in EN 13823 within 600 s

4 - Classification and field of application

4.1 - Reference of classification

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

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4.2 - Classification

The product "SECOLITE® cement board", in relation to its reaction to fire behaviour is classified:

A1

The additional classification in relation to smoke production is:

Without additional classification.

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

Without additional classification.

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

Fire behaviour		Smoke production			Flaming droplets	
A1	-	---	---	,	---	---

i.e. *A1*

Reaction to fire classification: *A1*

4.3 - Field of application

This classification is valid for a light-weight board made of Portland cement, aggregates and other inorganic materials, reinforced on both sides with embedded glass fiber with the reference "SECOLITE® cement board", manufactured by "Placacem Lda.", for the following product parameters:

- Nominal thickness: 12,5 mm
- Density: 1080 kg/m^3;
- Mass per unit area: 13500 g/m^2

The classification applies only to the product produced with the same type of raw materials and in the same proportions.

5 - Limitations

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

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6 - Final considerations

This classification report, requested by the company "Placacem Lda.", defines the classification assigned to the product with the reference "SECOLITE® cement board" with nominal thickness of 12,5 mm, in accordance with the procedures given in EN 13501-1:2018 - «Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests».

This classification report defines the classification assigned to the product with the reference "SECOLITE® cement board" with nominal thickness of 12,5 mm as **A1**.

Coimbra, 3 of february of 2023

Report author	Technical responsibility	Administration
António Nascimento	Isabel Flores	Validated document

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