CERTIFICATE

CENTEXBEL TYPE TESTING | TEST REPORT N° 21.07012.01

According to report N° 21.07012.01, dated on 20/12/2021, we confirm that the below mentioned items were tested at CENTEXBEL with reference to **NF P 92-507 (2004) "Fire safety - Building - Interior fitting materials - Classification according to their reaction to fire"**.

The items show

Classification M1

When properly applied.

The evaluation of the burning behaviour is based on CENTEXBEL's evaluation scheme.

SAMPLES	10919 Various colours
Company	Zimmer + Rohde GmbH Zimmersmühlenweg 14-18 61440 OBERURSEL - GERMANY

This Certificate is valid until 20/12/2026

Centexbel | Technologiepark 70 | BE 9052 Gent | Belgium, 21/12/2021

Stijn Devaere, PhD
Director Services

Certificate

Zimmer & Rohde GmbH
Zimmersmühlenweg 14 18
61440 OBERURSEL
Germany

Your notice of	Your reference	Date
15-11-2021		20-12-2021

Analysis Report 21.07012.01

Required tests :

NF P92-507 (2004)

Sample id	Information given by the client	Date of receipt
T2124380	Article 10919-800	15-11-2021
T2124947	Article 10919-999	22-11-2021
T2125033	Article 10919-335	23-11-2021

Gina Créelle
Order responsible

Digitally signed by Centexbel

Reference: **T2124380 - Article 10919-800**
T2124947 - Article 10919-999
T2125033 - Article 10919-335

Classification of materials according to their reaction to fire - "Electric burner"

Date of ending the test	14-12-2021
Standard used	NF P92-503 (1995)
Product standard	NF P92-507 (2004)
Deviation from the standard	A limited number of specimens have been tested for each sample.
Dimension of the specimens	600 mm x 180 mm x 1 mm
Weight (g/m²)	T2124380: 404 T2124947: 413 T2125033: 392

The test specimens have not been cleaned nor submitted to an accelerated ageing procedure

Conditioning	23°C, relative humidity 50% Minimum 7 days or until constant mass is achieved

Only the front side has been tested (based on information given by the client)

T2124380

	Length		Width	
	1	2	1	2
Hole formation	yes		yes	
Max. afterflame time (s)	2	-	0	-
Afterglow	no		no	
Afterglow with propagation in area > 25 cm	no		no	
Damaged length (cm)	16.5	-	15.5	-
Damaged width (cm) in area >45 cm	0	-	0	-
Flaming molten droplets	no		no	
Non-flaming molten droplets	no		yes	
Flaming debris	no		no	
Non-flaming debris	no		no	

T2124947

	Length		Width	
	1	2	1	2
Hole formation	yes		yes	
Max. afterflame time (s)	0	-	4	-
Afterglow	no		no	
Afterglow with propagation in area > 25 cm	no		no	
Damaged length (cm)	15.5	-	19.0	-
Damaged width (cm) in area >45 cm	0	-	0	-
Flaming molten droplets	no		no	
Non-flaming molten droplets	no		yes	
Flaming debris	no		no	
Non-flaming debris	no		no	

T2125033

	Length		Width	
	1	2	1	2
Hole formation	yes		yes	
Max. afterflame time (s)	0	-	0	-
Afterglow	no		no	
Afterglow with propagation in area > 25 cm	no		no	
Damaged length (cm)	16.0	-	14.0	-
Damaged width (cm) in area >45 cm	0	-	0	-
Flaming molten droplets	no		no	
Non-flaming molten droplets	no		no	
Flaming debris	no		no	
Non-flaming debris	no		no	

Reference: **T2124380 - Article 10919-800**
T2124947 - Article 10919-999
T2125033 - Article 10919-335

Classification of materials according to their reaction to fire - "Flame persistence test"

Date of ending the test	20-12-2021
Standard used	NF P92-504 (1995)
Product standard	NF P92-507 (2004)
Deviation from the standard	A limited number of specimens have been tested for each sample.
Dimension of the specimens	460 mm x 230 mm x 1 mm
Weight (g/m²)	T2124380: 404 T2124947: 413 T2125033: 392

The test specimens have not been cleaned nor submitted to an accelerated ageing procedure

Conditioning	23°C, relative humidity 50% Minimum 7 days or until constant mass is achieved

Only the front side has been tested (based on information given by the client)

Each test has been carried out with a flame application time of 5s.

T2124380

	Length		Width	
	1	2	1	2
#1	*		*	
#2	*		*	
#3	*		*	
#4	*		*	
#5	*		*	
#6	*		*	
#7	*		*	
#8	*		*	
#9	*		*	
#10	*		*	

Flaming debris no
Non-flaming debris no

*: afterflame time ≤ 2 s
> 2 s: afterflame time > 2 s and ≤ 5 s
> 5 s: afterflame time > 5 s

T2124947

	Length		Width	
	1	2	1	2
#1	*		*	
#2	*		*	
#3	*		*	
#4	*		*	
#5	*		*	
#6	*		*	
#7	*		*	
#8	*		*	
#9	*		*	
#10	*		*	

Flaming debris no
Non-flaming debris no

*: afterflame time ≤ 2 s
> 2 s: afterflame time > 2 s and ≤ 5 s
> 5 s: afterflame time > 5 s

T2125033

	Length		Width	
	1	2	1	2
#1	*		*	
#2	*		*	
#3	*		*	
#4	*		*	
#5	*		*	
#6	*		*	
#7	*		*	
#8	*		*	
#9	*		*	
#10	*		*	

Flaming debris no
Non-flaming debris no

*: afterflame time ≤ 2 s
> 2 s: afterflame time > 2 s and ≤ 5 s
> 5 s: afterflame time > 5 s

Reference: **T2124380 - Article 10919-800**
T2124947 - Article 10919-999
T2125033 - Article 10919-335

Classification of materials according to their reaction to fire - "Test for melting materials"

Date of ending the test	20-12-2021
Standard used	NF P92-505 (1995)
Product standard	NF P92-507 (2004)
Deviation from the standard	A limited number of specimens have been tested for each sample.
Dimension of the specimens	70 mm x 70 mm x 1 mm
Number of layers	1
Weight (g/m²)	T2124380: 404 T2124947: 413 T2125033: 392

The test specimens have not been cleaned nor submitted to an accelerated ageing procedure

Conditioning	23°C, relative humidity 50% Minimum 7 days or until constant mass is achieved

T2124380

		First ignition (s)	Non-flaming debris	Flaming debris	Ignition cotton wool	Mass (g)
#1	front	*	yes	no	no	2.0
#2	back	*	yes	no	no	2.1
#3						
#4						

* no ignition

T2124947

		First ignition (s)	Non-flaming debris	Flaming debris	Ignition cotton wool	Mass (g)
#1	front	*	yes	no	no	2.1
#2	back	79	yes	no	no	2.2
#3						
#4						

* no ignition

T2125033

		First ignition (s)	Non-flaming debris	Flaming debris	Ignition cotton wool	Mass (g)
#1	front	*	yes	no	no	2.0
#2	back	*	yes	no	no	2.0
#3						
#4						

* no ignition