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AB 053

Test report

no. DBL-2025-1797-01-BLS of 13.06.2025

SUBJECT OF THE ORDER	Tests of reaction to fire of the floor – Contamination Control Floor Mat (PVC)
ORDER NUMBER	A/DBL/BLS/1797/2025
NAME AND ADDRESS OF ORDERING PARTY	**ORDERING PARTY** CBS Medical Srl Via dell'industria 50, 36035, Marano Vicentino Vicenza
IDENTIFICATION OF TESTED OBJECTS	**TESTED OBJECT** Name: **Contamination Control Floor Mat (PVC)**
DATE OF ACCEPTANCE OF OBJECTS FOR TESTS	13.05.2025
PERFORMANCE DATE	04.06.2025 – 10.06.2025
TESTING LOCATION	Laboratory headquarters
OPERATORS	Antoni Katrusiak

	FULL NAME POSITION	DATE, SIGNATURE
Authorized by	Magdalena Komorowicz, M.Sc.Eng. Senior specialist in flammability testing	M. Komorowicz 13.06.2025 r.

Test results relate only to the objects tested.
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1. DESCRIPTION OF THE SAMPLE

The subject of the study was Contamination Control Floor Mat (PVC).

Description of the test object provided by the Customer:
Contamination Control floor mat.

Density of the product determined by the Environmental Research Laboratory for samples subjected to seasoned according to EN 13238 is (1212±2) kg/m^3, the surface mass: (3636±6) g/m^2, average product thickness of 3.0 mm.
Fibre cement backing of A2-s1, d0 class (non-combustible) was applied to the sample without adhesive.

2. TEST METHODS

Name of the test	Document	Method status (A/NA)*
Reaction to fire tests for floorings – part 1: determination of the burning behaviour using a radiant heat source	PN-EN ISO 9239-1:2010	A
Reaction to fire tests – ignitability of building products subjected to direct impingement of flame – part 2: single-flame source test	PN-EN ISO 11925-2:2020	A

*A – accredited method; NA – Non-accredited method

3. EQUIPMENT OF THE TEST STANDS

Name of the instrument	Type	Producer
Thermoanemometer TA-5	TA-5	AIRFLOW DEVELOPMENT
Floor surface flammability testing device	-	CAS
Radiation pyrometer	RAYTXCMTCF1	Raytek
Linear gauge	468-02	Leniar
Heat flux density sensor	SBG01-020	HUKSEFLUX
Electronic second meter	Stratos 2	HANHART
Thermohygrometer	30.5002	TFA Dostmann
Laboratory balance	C315.30.F1.R	Redwag
Caliper	MAJe 315 mm	PONAR-FWP

4. TEST RESULTS

Detailed results of the study are presented in Protocols No. 1/1797/2025 and 2/1797/2025

5. ADDITIONAL INFORMATION

1. In the case of samples taken by the client, the Laboratory is not responsible for the identification and representativeness of the object, method and place of collection.
2. Uncertainty of the expanded measurement result with a probability of about 95% and a sharing factor of k = 2. Measurement uncertainty, which is not taken into account in the action, affecting the collection step

RECORD No. 1/1797/2025
RESULTS OF TEST OF FLAME SPREADING ON FLOORINGS
acc. to PN-EN ISO 9239-1:2010

Product type : Contamination Control Floor Mat (PVC)
Client/Producer: CBS Medical Srl, Via dell'industria 50, 36035, Marano Vicentino Vicenza

Conditioning: Samples for testing were conditioned acc. to EN 13238:2011 standard (temperature 23±2°C, relative humidity 50±5%). time: from 21.05.2025 to 10.06.2025.

Detailed test results

No.	Ignition time [s]	Time at which the flame front passed through the zones [s]															Time at which a flame went out [s]	Attenuation of the light flux		Range of the flame front [mm]	CHF value [kW/m2]
		50 mm	100 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm	450 mm	500 mm	550 mm	600 mm	650 mm	700 mm	750 mm		Max. [%]	Total [%·min]		
1*)	124	130	133	169	217	255	337	562	980	1309	1752	-	-	-	-	-	>1800	80,3	829,4	524	3,3
2*)	125	130	140	165	210	231	293	381	662	1075	1529	-	-	-	-	-	>1800	81,7	781,2	533	3,2
3*)	125	130	132	149	172	213	277	407	622	923	1369	-	-	-	-	-	>1800	80,7	740,0	549	3,1
Mean value of samples 1,2,3		x	x	x	x	x	x	x	x	x	x	x	x	X	x	X	x	x	783,53	x	**3.20**
Standard deviation of the mean		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	36,53	x	0,08
Coefficient of variation [%]		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	4,66	x	2,50
Extended uncertainty of the measurement at the level of confidence of approx. 95% and coefficient k = 2																				**3.20±0.16**	

*samples without specific direction

Range of the flame	**Sample**		
	1	2	3
after 10 minutes/mm	355	395	395
after 20 minutes/mm	440	475	480

Observations: -

Comments: -

Carried out by: Antoni Katrusiak
Verified by: Magdalena Komorowicz

RECORD No. 2/1797/2025
RESULTS OF TEST OF PRODUCT SUBJECTED TO DIRECT IMPINGEMENT OF FLAME
acc. to PN-EN ISO 11925-2:2020

Product type: Contamination Control Floor Mat (PVC)
Client/Producer: CBS Medical Srl, Via dell'industria 50, 36035, Marano Vicentino Vicenza

Conditioning: Samples for testing were conditioned acc. to EN 13238:2011 standard (temperature 23±2°C, relative humidity 50±5%). time: from 21.05.2025 to 10.06.2025.

Exposition: surface exposition

Time of flame impingement: 15 s

Detailed test results

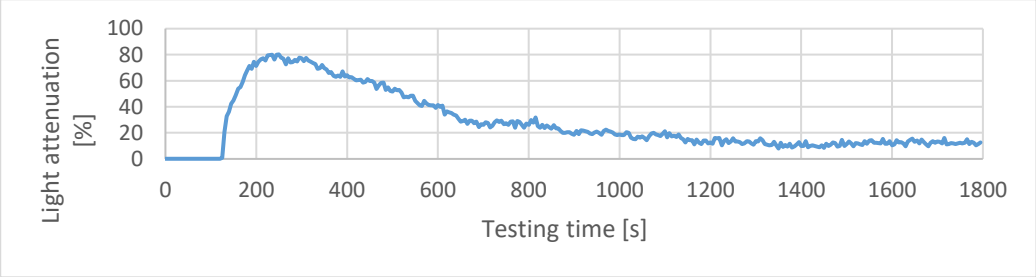
Parameter	Sample number						Mean value
	1*)	**2*)**	**3*)**	**4*)**	**5*)**	**6*)**	
Ignition occurrence (Yes/No)	No	No	No	No	No	No	–
Reaching the distance of 150 mm	No	No	No	No	No	No	–
by the flame front (Yes/No)	–	–	–	–	–	–	–
Time after which the flame reached the distance of 150 mm (s)	No	No	No	No	No	No	–
Falling of burning drops (Yes/No)	No	No	No	No	No	No	–
Ignition of filter paper (Yes/No)	52	52	51	50	52	50	51.2

*samples without specific direction

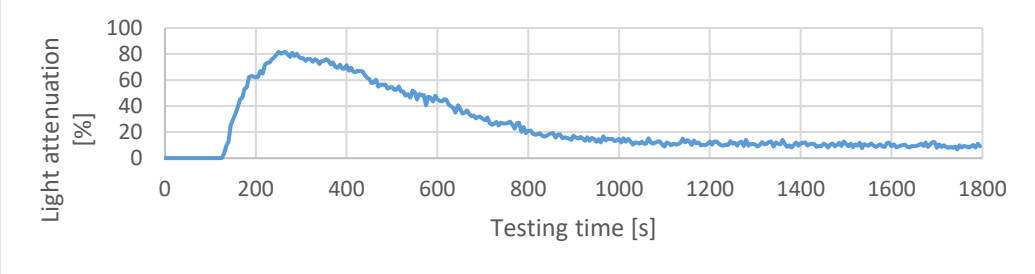
Observations: -

Carried out by: Antoni Katrusiak
Verified by: Magdalena Komorowicz

GRAPHS OF LIGHT ATTENUATION
TIME FUNCTION OF FLAME SPREAD TESTING
FLOORING according to EN ISO 9239-1:2010



Sample No.1



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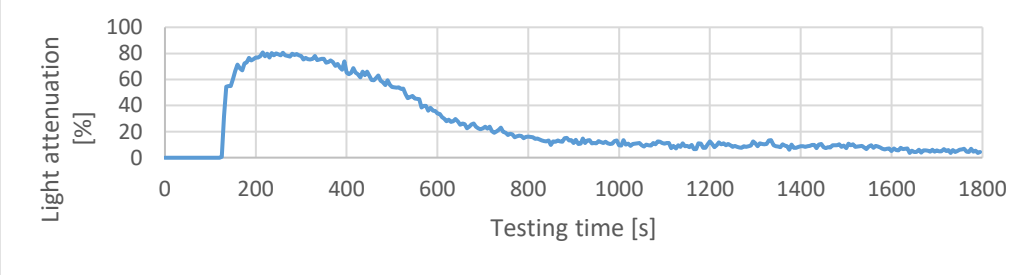
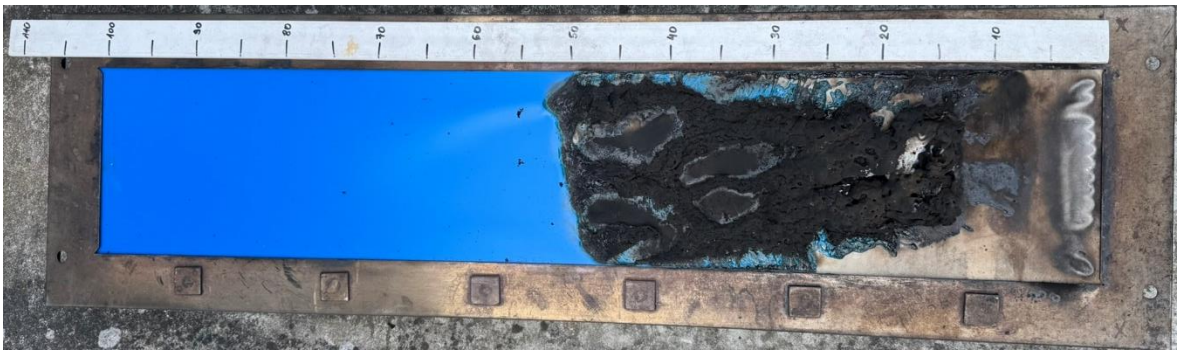


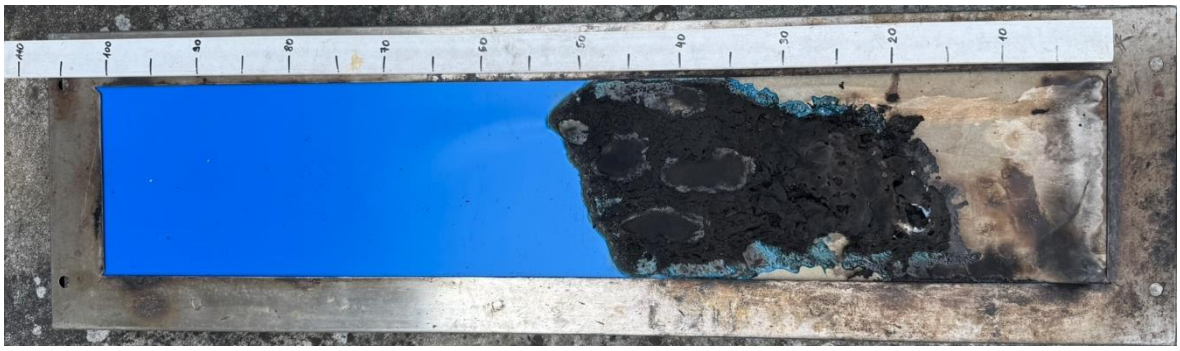
Sample No.3

PHOTOGRAPHS OF THE SAMPLES AFTER TESTS OF FLAME SPREADING ON FLOORINGS

acc. to PN-EN ISO 9239-1:2010



Sample No.1



Sample No.2



Sample No.3

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