Instytut Techniki Budowlanej
GROUP OF TESTING LABORATORIES
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Nº AB 023

AB 023

FIRE RESEARCH DEPARTMENT

FIRE TEST LABORATORY

TEST REPORT Nº LZP01-01523/20/Z00NZP-ENG

This report has been released in 3 copies, the customer received 2 and 1 remained in the ITB.

Client:	*ALHAR Sp. z o.o. Sp. K.*
Client address:	*ul. Kochanowicka 89a* *Kochcice* *42-713 Kochanowice*
Information about test item	
Test item: **name, description, condition, identification**	*ALHAR WALL insulation system* *Layer arrangement from the side of the base:* *- adhesive mortar with the trade name ALHAR WALL / ISO-KLINK-PUR for polystyrene, consumption 5 kg/m²* *- polystyrene with the trade name ALHAR WALL, thickness 10 cm and density 24 kg/m³* *- sticking bridge with the trade name ALHAR, consumption 0,25 kg/m²* *- fixing pins with a consumption of about 10 pcs/m²* *- adhesive for gluing clinker tiles with the trade name ALHAR WALL / ISO-KLINK-PUR consumption 4,5 kg/m²* *- clinker tile with dimensions of 24 cm x 7,1 cm with the trade name Feldhaus, consumption 48 pcs/m²* *- mortar for pointing clinker tiles ALHAR consumption 7 kg/m²* ***Product parameters assessed by laboratory:*** *Sample thickness: 4 cm* *Polystyrene density: 24,1 kg/m³*
Date of receipt /sampling:	*Product accepted for testing: 04.05.2020*
Receipt /sampling protocol	*Receipt protocol: LZP-01523/20/Z00NZP*
Receipt procedure:	*PZ ZLB 18 Handling of test samples*
Information about tests	
Test commencement date:	*12.05.2020*
Test completion date:	*12.05.2020*

TEST METHOD:

EN ISO 11925-2:2010 Reaction to fire tests — Ignitability of products subjected to direct impingement of flame — Part 2: Single-flame source test.

DEVIATIONS FROM PN-EN ISO 11925-2:2010

Did not appear

CONDITIONING:

Time of conditioning: since 04.05.2020 to 12.05.2020
Conditioning parameters: temperature: 23 ± 2°C, relative humidity 50 ± 5%
Conditioning method: constant mass

PREPARATION OF SPECIMENS:

Samples in accordance with PN-EN ISO 11925-2:2010. From the sample after the PN-EN 13823 test cut out top layer samples long 25 cm, wide 9 cm, thickness 4 cm.

TEST CONDITIONS:

1. Flame impact method: surface and edge on the face side, edge on the side
2. Handle used: standard
3. Exposure time used: 30 s

CONDITIONS FOR THE TEST ROOM:

temperature: 21,4 °C, relative humidity: 34,7 %

TEST RESULTS:

Parameter	Surface flame impact			Edge flame impact		
	1	2	3	1	2	3
Ignition, +/-	-	-	-	-	-	-
Time to reach 150 mm [s]	-	-	-	-	-	-
Ignition of filter paper, +/-	-	-	-	-	-	-

Parameter	Flame action on the edge from the side (for polystyrene)		
	1	2	3
Ignition, +/-	+	+	+
Time to reach 150 mm [s]	-	-	-
Ignition of filter paper, +/-	-	-	-

UNCERTANITY OF MEASURED:

Qualitative studies involving observation of sample behavior - are not subject to uncertainty assessment.

OBSERVATIONS:

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APPENDIX:

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STATEMENT OF COMPLIANCE / INCOMPATIBILITY WITH REQUIREMENTS:

The parties have agreed that when assessing the compliance of results with the criteria set out in PN-EN 13501-1, a simple acceptance rule is applied, that is, the product is considered compatible with regard to the test result, if the result of this, without taking into account the volatility resulting from the measurement uncertainty, will meet the requirement. It is associated with the risk of an incorrect assessment, resulting from the failure to uncertainty in the assessment. The risk also arises from the fact that the laboratory does not have knowledge of the variation of the population of the product, and only on the test sample.

STATEMENT:

The test results relate to the behaviour of the specimens of product under the particular condition of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Responsible for the test:
Łukasz Jarochowicz

Person authorized report:
Bartłomiej K. Papis Ph. D. Eng.

Warsaw, 12.05.2020

Head of Fire Research Laboratory:
Bartłomiej K. Papis Ph. D. Eng.

End of test report no. LZP01-01523/20/Z00NZP-ENG