



**TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p.**  
**Technical and Test Institute for Construction Prague**

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Testing Laboratory No 1018.3  
accredited by ČIA pursuant to ČSN EN ISO/IEC 17025:2018

# TEST REPORT

**No. 010-045942**

**on reaction to fire - single-flame source test**

Manufacturer: EURO FISI group LLC  
Address: Rruga Gjilani Nr.61, Radivojce 61000 Viti Kosovo  
Identification No: 81019608  
Ordering party: Notified Body 1020, Technical and Test Institute for Construction Prague, SOE, Branch 0100 – Prague, Prosecká 811/76a, 190 00 Praha 9, Czech Republic

Test sample: **XPS 30 20 mm**  
**XPS 30 100 mm**

Order No.: Z010220097

Number of pages of the Test Report incl. title page:6

Number of annexes: -

Prepared by:

**Michal Kadeřávek**  
test technician - specialist

Approved by:

**Ing. Radka Sedmidubská**  
head of the Testing Department

Copy No: 1



Number of prints:4

Praha, 25.08.2022

stamp of the Testing laboratory No. 1018.3

**Declaration:** 1) The test results in this test report relate only to the tested product and they do not substitute any other documents  
2) The test report shall be copied as a whole only otherwise a written consent of the testing laboratory is needed.

Technický a zkušební ústav stavební Praha, s. p., Centrální laboratoř / Technical and Test Institute for Construction Prague, SOE, Central Laboratory

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Entered in the Commercial Register maintained by Municipal Court in Prague, Section ALX, Insert 711, Comp. ID: 00015679, VAT: CZ00015679

### 1. Sample data

Evidence Number: VZ010220256 – XPS 30, 20 mm  
VZ010220258 – XPS 30, 100 mm

Sample: EXTRUDED POLYSTYRENE:  
XPS 30 20 mm  
Thickness: 10 mm  
XPS 30 100 mm  
Thickness: 60 mm

Dimensions of the test specimen: (250 x 90) mm

Order No.: Z010220097

Date of delivery: 24.06.2022

Sampling place: Samples were taken over in the premises of TZÚS in Prague

Sampling method: Not stated

The test results are related to the sample as received.  
The sample preparation was performed according to the technical requirements of the applicant and the test samples were prepared for testing according to the relevant standard.

### 2. Test methods

Identification of the test method		Test method
ČSN EN ISO 11925-2:2020	Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test	Reaction to fire tests - Single-flame source test

Other relevant standards:

ČSN EN 13501-1	Fire classification of construction products and building elements - Part 1: Classification using test data from reaction to fire tests*
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\*This standard is out of the scope of accreditation

*Deviations from the standard procedure or use of non-standardized methods: were not applied.*

### 3. Test results

The tests were performed on: 22.08.2022  
Place of testing: TZÚS Prague, Testing Department Prague  
The tests were performed by: Michal Kadeřávek

Data on the person who performed the test, test conditions and equipment used are listed in the test minutes. Apparatuses and measuring instruments that used have been verified pursuant to a valid plan of the Testing Department Prague.

The flame spread above 150 mm from the point of contact of the test flame, the time at which this occurred and the ignition of the filter paper placed under the test piece are evaluated. The possible spread of the flame is monitored within 20 s after the application of the test flame of the small burner.

The test specimens were conditioned according to ČSN EN 13238: 2010 at an air temperature of (23 ± 2) °C and a relative air humidity of (50 ± 5) % to a constant weight.



**3.1 Single flame source test -surface exposure (ČSN EN ISO 11925-2 Cl. 7.3.3.1)**

**Sample: VZ010220256 XPS 30 10 mm**

Table No 1

Ignition of the sample	No.1: Longitudinal direction		No.2: Longitudinal direction		No.3: Longitudinal direction		No.4: Transverse direction		No.5: Transverse direction		No.6: Transverse direction	
	yes	10	yes	12	yes	10	yes	10	yes	10	yes	10
Reaching the flame a distance of 150 mm above the action of a small burner [s]												
Length of melted trace [mm]	150		150		150		150		150		150	
Width of melted trace [mm]	90		90		90		90		90		90	
Ignition of filter paper yes / no	no		no		no		no		no		no	
Occurrence of flame burning drops	yes		yes		yes		yes		yes		yes	
Occurrence of flame burning particles	no		no		no		no		no		no	
Observed behavior of test specimen	Burns out in whole area		Burns out in whole area		Burns out in whole area		Burns out in whole area		Burns out in whole area		Burns out in whole area	



**Sample: VZ010220258 XPS 30 60 mm**

Table No 2

	No.1: Longitudinal direction	No.2: Longitudinal direction	No.3: Longitudinal direction	No.4: Transverse direction	No.5: Transverse direction	No.6: Transverse direction
Ignition of the sample	yes	yes	yes	yes	yes	yes
Reaching the flame a distance of 150 mm above the action of a small burner [s]	-	-	-	-	-	-
Length of melted trace [mm]	150	150	150	150	150	150
Width of melted trace [mm]	50	50	50	50	50	50
Ignition of filter paper yes / no	no	no	no	no	no	no
Occurrence of flame burning drops	no	no	no	no	no	no
Occurrence of flame burning particles	no	no	no	no	no	no
Observed behavior of test specimen	The flame goes in 15s after is burner is turned off	The flame goes in 15s after is burner is turned off	The flame goes in 15s after is burner is turned off	The flame goes in 15s after is burner is turned off	The flame goes in 15s after is burner is turned off	The flame goes in 15s after is burner is turned off



## 3.2 Single flame source test -exposure of edge (ČSN EN ISO 11925-2 Cl. 7.3.3.2)

Sample: VZ010220256 XPS 30 10 mm

Table No 5

Sample identification	No.1: Longitudinal direction	No.2: Longitudinal direction	No.3: Longitudinal direction	No.4: Transverse direction	No.5: Transverse direction	No.6: Transverse direction
Ignition of the sample	yes	yes	yes	yes	yes	yes
Reaching the flame a distance of 150 mm above the action of a small burner [s]	10	8	10	10	12	10
Length of melted trace [mm]	150	150	150	150	150	150
Width of melted trace [mm]	90	90	90	90	90	90
Ignition of filter paper yes / no	no	no	no	no	no	no
Occurrence of flame burning drops	yes	yes	yes	yes	yes	yes
Occurrence of flame burning particles	no	no	no	no	no	no
Observed behavior of test specimen	Burns out in whole area	Burns out in whole area	Burns out in whole area	Burns out in whole area	Burns out in whole area	Burns out in whole area



**Sample: VZ010220258 XPS 30 60 mm**

Table No 6

Sample identification	No.1: Longitudinal direction	No.2: Longitudinal direction	No.3: Longitudinal direction	No.4: Transverse direction	No.5: Transverse direction	No.6: Transverse direction
Ignition of the sample	yes	yes	yes	yes	yes	yes
Reaching the flame a distance of 150 mm above the action of a small burner [s]	-	-	-	-	-	-
Length of melted trace [mm]	140	150	150	150	150	150
Width of melted trace [mm]	40	40	40	40	40	40
Ignition of filter paper yes / no	no	no	no	no	no	no
Occurrence of flame burning drops	yes	yes	yes	yes	yes	yes
Occurrence of flame burning particles	no	no	no	no	no	no
Observed behavior of test specimen	The flame goes in 15s after is burner is turned off	The flame goes in 15s after is burner is turned off	The flame goes in 15s after is burner is turned off	The flame goes in 15s after is burner is turned off	The flame goes in 15s after is burner is turned off	The flame goes in 15s after is burner is turned off



END OF THE TEST REPORT