

Project number: M1-A188X-30002-2024/E

Topic number: M-3015/2023

(TVB)

TYPE TEST CERTIFICATE

of

**PNP XPS 300 extruded polystyrene foam board /
BAUFOAM XPS 300 extruded polystyrene foam board
construction product**

**Engineering Services Directorate
ÉMI Construction Testing Laboratory of
ÉMI Non-profit limited liability company for quality control and innovation in building
hereby certifies with this document for**

**PNP Orange Kft.
8100 Várpalota, Fehérvári út 28-14.**

**as the holder of the TVB that
it has performed the initial type testing of the construction product manufactured at the
establishment**

**PNP Orange Kft.
8100 Várpalota, Fehérvári út 28-14.**

**and falling within the scope of
regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011.
Based on results detailed in the Initial Type Test Report issued under M-3015/2023 number and
with 29. 02. 2024. date, and B3-A188X-27262-2023 project number, and the Test Reports listed in
this Certificate (section 2) the construction product conforms the requirements XPS – EN 13164 –
T1 – CS(10/Y)300 – DS(70,90) – WL(T)0,7 – TR400 – WD(V)3 – FTCD1 - DLT(2)5
of the EN 13164:2012+A1:2015 technical specification applying for the product.**

**This TVB remains valid
- with no change in product characteristics -
until 31 March 2025**

Szentendre, 29 Oct 2024




Ákos Darányi
head of ÉMILAB laboratory

The Type Examination Certificate contains 3 numbered pages which are valid together only!
ÉMI Non-profit Kft. is an organisation certified according to MSZ EN ISO 9001.

1. Properties (characteristics) of the product in support of the declaration of performance:

Product characteristics and their units	Requirement	Classification	Test/Assessment method
Declared thermal conductivity [W/mK]	$\leq 0,033$	pass	MSZ EN 12667:2001 / EN 13164:2012+A1:2015
Reaction to fire [class]	at least E	E	MSZ EN ISO 11925-2:2020 / MSZ EN 13501-1:2019 EN 13164:2012+A1:2015
Thickness (d_N) deviation - $d_N < 50$ mm - $50 \text{ mm} \leq d_N \leq 120$ mm - $d_N > 120$ mm [mm]	-2 ... +2 -2 ... +3 -2 ... +6	T1	MSZ EN 823:2013 / EN 13164:2012+A1:2015
Compressive stress or compressive strength [kPa]	≥ 300	CS(10/Y)300	MSZ EN 826:2013 / EN 13164:2012+A1:2015
Dimensional stability under specified temperature and humidity conditions [%]	≤ 5	DS(70,90)	MSZ EN 1604:2013 / EN 13164:2012+A1:2015
Long term water absorption by total immersion [V/V%]	$\leq 0,7$	WL(T)0,7	MSZ EN ISO 16535:2019/ EN 13164:2012+A1:2015
Tensile strength perpendicular to faces (in the case of non-welded in thickness products) [kPa]	≥ 400	TR400	MSZ EN 1607:2013 / EN 13164:2012+A1:2015
Long term water absorption by diffusion [V/V%]	≤ 3	WD(V)3	MSZ EN ISO 16536:2019 / EN 13164:2012+A1:2015
Freeze-thaw resistance (water absorption during freeze-thaw (after water absorption by diffusion)) [V/V%]	≤ 1	FTCD1	MSZ EN ISO 16546:2020 / EN 13164:2012+A1:2015
Deformation under specified compressive load and temperature conditions [%]	≤ 5	DLT(2)5	MSZ EN 1605:2013 / EN 13164:2012+A1:2015

Results of the initial type test may be used for the drawing up a declaration of performance for the system 3 in Annex V of the regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 as long as product characteristics, requirements and manufacturing technology of the product manufactured at the establishment of the manufacturer remain unchanged.

The holder of the TVB must report changes to ÉMI Testing Laboratory in Building Industry of ÉMI Nonprofit LLC's Engineering Services Directorate within 30 days which way he can initiate renewal of the TVB.

Surveillance testing of essential characteristics of the product which support the declaration of performance are performed by ÉMI Non-profit Kft. yearly based on separate mandates.

Mandate related to surveillance testing has to be sent to ÉMI Nonprofit Kft. at least one month prior to the date of validity on the cover of the TVB.

2. Surveillance tests

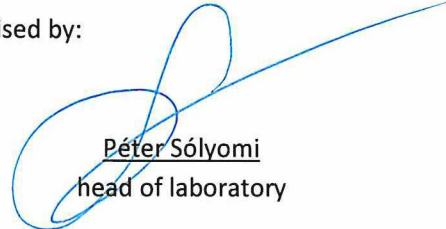
Date	Project number	Tested characteristics	Changes
29 Oct 2024	M1-A188X-30002-2024	WD(V) just evaluation	~~WD(V)4~~ -> WD(V)3

The certificate was compiled by:

Supervised by:



Peter Szeles
test engineer



Péter Solyomi
head of laboratory

