ÉMI NON-PROFIT LIMITED LIABILITY COMPANY FOR QUALITY CONTROL AND INNOVATION IN BUILDING
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ÉMI NON-PROFIT LIMITED LIABILITY COMPANY FOR QUALITY CONTROL AND INNOVATION IN BUILDING
ÉMI SOCIÉTÉ Á BUT NON LUCRATIF POUR LE CONTRÔLE DE QUALITÉ ET L'INNOVATION DU BÂTIMENT, RESPONSABILITÉ LIMITÉE
ÉMI NON-PROFIT GESELLSCHAFT FÜR QUALITÄTSKONTROLLE UND INNOVATION IM BAUWESEN MIT BESCHRÄNKTER HAFTUNG

A-7/2022

NMÉ
NATIONAL TECHNICAL ASSESSMENT

Name of the product:	**Plastic profile made of recycled plastic JB-Green_01**
Intended use of area of the product:	**The plastic profiles are used outdoors as fence posts.**
Product range:	**Other (36)**
Manufacturer of the product:	**JB Pro Quality Korlátolt Felelősségű Társaság H-9800 Vasvár, Szentmihályfalvi utca 10. 3. em 10.**
The NMÉ is valid from*:	**June 13, 2022**

[*Stamp and illegible signature*]
Mr Zoltán Budavári
Head of the Technical
Assessment Office

The National Technical Assessment consists of 7 pages including 1 numbered annex.

*The validity of the NMÉ is subject to certain conditions. The validity of the NMÉ shall be checked on the website of ÉMI Non-profit Llc. (www.emi.hu).

I. LEGAL BASES AND GENERAL CONDITIONS

1. This NMÉ has been issued by the ÉMI Non-profit Llc. for Quality Control and Innovation in Building based on
   - Government Decree No. 275/2013 (VII. 16.) on the detailed rules relating to the planning and installation of construction products into construction works and the verification of performance during this process,
   - the designation of the Government Office of the Capital City of Budapest (BP/0102/684-7/2021), as well as
   - the data detailed in Performance Assessment Report No. A-7/2022 dated on 13/06/2022.
2. The holder of the NMÉ is the manufacturer of the construction product.
3. The holder of the NMÉ is not allowed to assign the NMÉ to third party. The NMÉ is valid exclusively for products manufactured in the indicated production plants.
4. The manufacturer of the product or their authorized representative shall notify if the important characteristics of the product, the quality of its raw materials or the production circumstances change and shall apply for the revision and, if necessary, for the amendment of the NMÉ.
5. ÉMI Non-profit Llc. withdraws the NMÉ for the product based on the request of the manufacturer or their authorized representative, based on the decision of the market surveillance authority or at the end of co-existence period, as stipulated in the Regulation No. 305/2011/EU Article 17 (5) of the European Parliament and Council, of the harmonized standard covering the construction product subject of this NMÉ.
6. ÉMI Non-profit Llc. shall issue the NMÉ in Hungarian, and on subsequent request of the manufacturer or their authorized representative for an additional fee in English language. The legal basis is the Hungarian version of the NMÉ.
7. The NMÉ may only be copied or published by means of other data medium in its entirety. Extracts are only allowed on the prior written approval of ÉMI Non-profit Llc. The fact of publishing extracts shall be indicated. Text and figures of advertising materials cannot be contrary to the content of the National Technical Assessment and cannot give rise to misunderstanding.
8. The NMÉ will not replace other permits and certificates necessary for distribution, installation and use of the product specified by separate provision of law (e.g. environment protection and property protection, building authorities' permits), and the documents relating to the constancy of product performance (e.g. product certificate, factory production control certificate, declaration of performance).
9. The declaration of performance issued on the basis of the NMÉ shall not entitle either the manufacturer or their authorized representative to use CE conformity marking on the product or on its packaging or accompanying documents.
10. The NMÉ does not state the fitness for purpose of the product for the particular use. It provides only performance values for essential characteristic as a basis for the declaration of performance. Based on the performances specified in the declaration of performance issued by the manufacturer, the product can be installed into construction works in which it complies with the expected technical performance.

II. SPECIFIC CONDITIONS OF THE NATIONAL TECHNICAL ASSESSMENT

1. DATA

1.1. Manufacturing site of the product

JB Pro Quality Kft.
H-8514 Mezőlak, Petőfi Sándor utca 86

1.2. Description of the product

Product ID code: JB-Green_01

Name of the product:
Plastic profile made of recycled plastic
Product size:
Pointed fence leg with a side width of 10 x 10 cm and a length of 250 cm (code: H250/10/210)

The recycled fence post is mostly made from waste and scrap materials from PET recycling.

Main properties of the raw materials of the product:

Properties	Value	Assessment method
Raw material: **Recycled plastic**		
Density (average value)	0.987±0.010 g/cm3	MSZ EN ISO 1183-1:2019 (Method "A")
Bending strength (average value)	≥ 13 MPa	MSZ EN ISO 178:2019

1.3. Description of the intended use of the product

The solid, custom made profiles made of recycled plastic are used outdoor as column structures for fences.

ESSENTIAL CHARACTERISTICS, PERFORMANCE AND ASSESSMENT METHODS

2. Mechanical resistance and stability

2.1. ---

2.2. Safety in case of fire

Essential characteristics	Performance	Assessment method
Product code: **JB-Green_01**		
Class of reaction to fire (fire protection class)	NPD*	MSZ EN 13501-1:2019

* In accordance with Section 3.8 of the Fire Protection Technical Directive No. TvM1 11.3: 2022.06.13., the determination of class of reaction to fire (fire protection class) can be omitted and the NPD (No Performance Determined) option can be used.

2.3. Hygiene, health and environment protection

2.4. Safe use and accessibility

Essential characteristics	Performance	Assessment method
Product code: **JB-Green_01**		
Relative dimensional change in the longitudinal direction due to heat (average value) (70 °C, 1 hour)	+0.008%	MSZ EN 479:2018
Impact resistance against falling mass (1000 g, 1 m) - at 23 °C - at -10 °C	 no damage/no change no damage/no change	MSZ EN 477:2018
Characteristic value of bending load capacity, F 5% (support distance 220 cm)	> 2.50 kN	MSZ EN 12839:2012
Dimensional accuracy - side width - relative curvature	+5 / -0 mm ~~> 0.20 %~~	MSZ EN 12839:2012

2.5. Protection against noise

2.6. Energy economy and thermal protection

2.7. Sustainable use of natural resources

Essential characteristics	Performance	Assessment method
Product code: **JB-Green_01**		
Weather resistance (UV resistance), 1000 hours of exposure - bending strength after UV aging (average value) - impact resistance (1000 g, 1 m), at 23 °C, after UV aging	no change is visible, >13 MPa no damage/no change	MSZ EN 513:2018 (Method 2) MSZ EN ISO 178:2019 MSZ EN 477:2018

Essential characteristics	Performance	Assessment method
Aging due to heat (80 °C, 50 days) - bending strength after thermal aging (average value)	no change is visible, ≥13 MPa	EAD 030350-00-0402 2.2.10 MSZ EN ISO 178:2019

3. REQUIREMENTS FOR THE ASSESSMENT AND VERIFICATION OF CONSTANCY OF PERFORMANCE

3.1. **System applied for the assessment and verification of constancy of performance**

According to Annex V of the European Parliament and Council Regulation No. 305/2011/EU:

System (4)

3.2. **Tasks of the manufacturer**

3.2.1 Factory production control (FPC)

The manufacturer shall develop, document and operate an FPC system that ensures that the performance of the products to be installed meets continuously the values specified in the present NMÉ in a verifiable way.

If the manufacturer's quality management system complies with standard EN ISO 9001 and their system is complemented with the requirements in relation to factory production control stipulated in this NMÉ, this factory production control system can be considered to have met the requirements.

Regarding the product, the manufacturer shall develop, operate and control a factory production control system, which ensures the constancy of performance of the product.

- The factory production control system shall include:
- the tasks required in the procedure and the persons responsible thereof
- the rules regarding the review of the qualifications and training of personnel, production and testing equipment, raw materials, supplied products, manufacturing process, handling of emerging non-compliances and complaints
- and the review of the factory production control system by the manufacturer, evaluation of the results of tests made in the framework of factory production
- control by comparing them with the results of the performance assessment, tests to be carried out in the scope of the factory production control, according to the control plan of the factory control; the requirements for the frequency and test method of which are contained in the table below.

Product characteristics tested	Test method	Minimum frequency of testing
Dimensional accuracy	MSZ EN 12839:2012	every 3 month
Load capacity	MSZ EN 12839:2012	annually
Density	MSZ EN ISO 1183-1:2019	every 2 years

3.2.2 Assessment of the performance of the product

This NMÉ shall be considered as the assessment of the performance of the product in accordance with point 1.6 in Annex V of the European Parliament and Council Regulation No. 305/2011/EU, therefore, the manufacturer shall not undertake this task.

3.2.3. Issuing the declaration of performance

The declaration to be issued by the manufacturer must contain the following data detailed in points:

- the identification number of the declaration,
- the individual identification code of the product type,
- the intended use or uses of the construction product specified by the manufacturer,
- the name, the registered trade name and the registered trade mark as well
- as the mailing address of the manufacturer,
- optionally, the name and mailing address of the authorized representative,
- system or systems in relation to the assessment and verification of
- constancy of performance of the construction products,
  the name of the organization issuing the NMÉ, and the identification number of the NMÉ issued by them,
  the performance values given in section 2,
  the following sentences:
  - The performance of the product specified in section 1.2 of NMÉ No. A-7/2022, valid from 13/06/2022, complies with the performance specified in the declaration.
  - Exclusively the manufacturer (or the authorized representative) is responsible for issuing this declaration of performance.
- person signing in the name and on behalf of the manufacturer (or the authorized representative) (name/position),
- place/date/signature.

4. ANNEXES

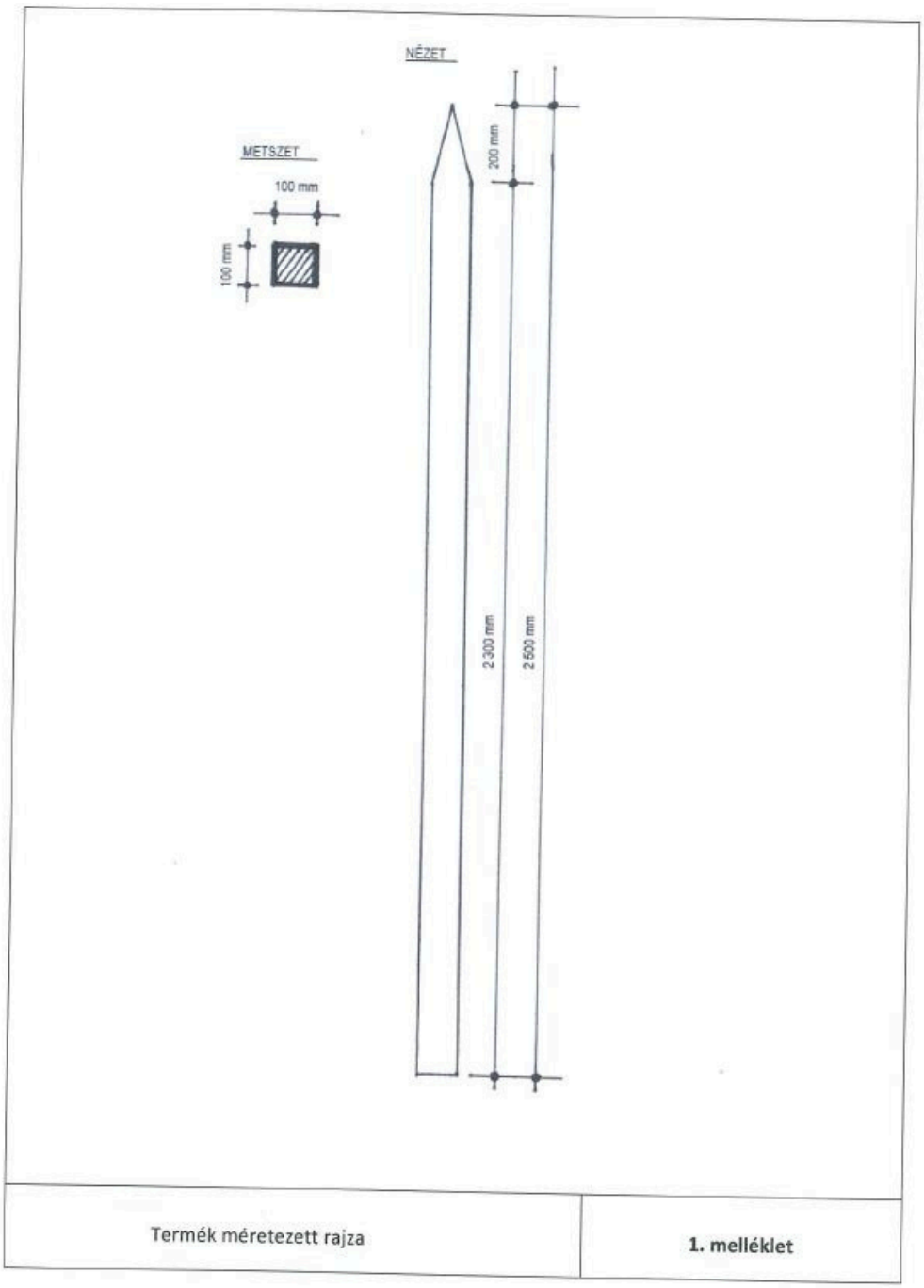
Annex 1.: Scaled drawing of the product (1 page)

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The NMÉ was prepared by:	Professionally checked and approved by:
[*Illegible signature*]	[*Illegible signature*]
Ms Viktória Rusnák-Varga	Mr Péter Tóth
Technical Assessment Engineer	Product Manager

View

Section



Scaled drawing of the product Annex 1