

ÉPÍTÉSÜGYI MINŐSÉGELLENŐRZŐ
INNOVÁCIÓS NONPROFIT KFT.

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 À 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-253/2014

NMÉ NATIONAL TECHNICAL ASSESSMENT

Name of the product: World Strong Guard repair plaster

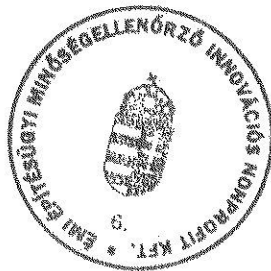
Intended use of the product: as breathing repair plaster for basement walls and other wet walling onto surfaces treated with World Strong Guard repair primer

Product area: Masonry and related products
Masonry units, plastering mortar, ancillary materials

Manufacturer of the product: WORLD STRONG GUARD Kft.
H-5900 Orosháza, Gyártelep u. 13.
Hungary

ÉMI Non-profit LLC
classification code (SZRJ): premixed porous dry repair mortar (SZRJ: 1.5.1.1.)

NMÉ valid form*: 3rd August 2015



Budavári Zoltán
Budavári Zoltán
Technical Assessment Office
Office Manager

National Technical Assessment contains 7 pages and 0 numbered annex.

* The validity of the NMÉ is conditional. The validity of the NMÉ is verifiable on the home page of ÉMI Non-profit LLC (www.emi.hu).
This NMÉ replaces the NMÉ no. A-253/2014 valid from 21st May 2015.

The English version was made under project no. M4-7116X-06411-2015 at 25th June 2015.

Project no: É3-7116X-05113-2014

I LEGAL REGULATION AND GENERAL CONDITIONS

- 1 This National Technical Assessment (NMÉ) has issued by ÉMI Non-profit Limited Liability Company for Quality Control and Innovation in Building by the grounds of
 - 275/2013 (VII. 16.) Government Decree about the detailed rules of planning, building-in and declaration of performance of building materials
 - the designation of Hungarian Trade Licencing Office (MKEH-128/22/2013/FHÁ),
 - the results detailed in ÉME no. A-17/2008 dated at 15 December 2008 valid until 31 December 2013, and the Initial Type Test Report no. A-253/2014 dated at 21 May 2015 and the additional Initial Type Test Report no. A-253/2014 dated at 3 August 2015.
- 2 The holder of the NMÉ is the manufacturer of the product.
- 3 The holder of the NMÉ cannot hand over the NMÉ to anyone. The NMÉ concerns only the products manufactured in the indicated manufacturing places.
- 4 The manufacturer of the product or its authorized representative is liable to notify, if the essential characteristics, quality of raw materials, or the conditions of production has changed and liable to request the review, and if necessary, the modification of the NMÉ.
- 5 ÉMI Non-profit LLC withdraws the NMÉ of the product on the basis of the request of the manufacturer or its authorized representative, the decision of the market surveillance authorities, or the expiration of the coexistence period of the harmonized standard covering the construction product subject to the NMÉ according to Article 17(5) of Regulation (EU) No. 305/2011.
- 6 NMÉ issued by ÉMI Non-profit LLC in Hungarian language, and translated into English, German, French, or other language also according to the request of the manufacturer or its authorized representative for an additional fee in case of subsequent request. The base of legal validity is the Hungarian issue of the NMÉ.
- 7 NMÉ should be copied or published in other media only in full length. The written permission of ÉMI Non-profit LLC is necessary for its summarized statement. The text and figures of advertising reviews of the product should not conflict the content of the National Technical Assessment and should not cause misunderstanding.
- 8 NMÉ should not substitute any other licenses of certifications prescribed in separate act (ex. environment safety, security, public health or building official acts) necessary for distribution, application, or building in of the product and the documents for the declaration of constancy of performance (ex. Certificate of Constancy of Performance, Certificate of Factory Production Control, Initial Type Test Report, od Declaration of Performance).
- 9 The Declaration of Performance issued on the basis of the NMÉ is not gives the right to the manufacturer or its authorized representative to affix the CE marking to the product, to its packaging or to the accompanying documents.
- 10 NMÉ does not determine the suitability of the product to the given intended use, but gives values for the performance of the essential characteristics grounding the Declaration of Performance. The product may build into such buildings wherein it meets the required technical performance on the basis of its performance declared in the Declaration of Performance issued by the manufacturer.

II SPECIFIC TERMS AND CONDITIONS OF THE NATIONAL TECHNICAL ASSESSMENT

1 DATA

1.1 Address of manufacturing plant

WORLD STRONG GUARD Kft.
H-5900 Orosháza, Gyártelep u. 13.
Hungary

1.2 Description of the construction product

World Strong Guard repair plaster is a factory ready-mixed dry mortar. Its components are: cement binder, graded coarse-grained quartz, additives. It is a fiber-reinforced product.

Characteristics	Value	Assessment method
Maximum particle size, mm	1,0	EN 1015-1:1998
Loose bulk density, kg/m ³	1600 ± 100	ÉMI method
Bulk density of fresh mortar, kg/m ³	1800 ± 100	EN 1015-6:1998
pH value of fresh mortar	10 – 12	DUOTEST indicator paper
Bulk density of hardened mortar, kg/m ³	1700± 100	EN 1015-10:1999

1.3 Intended use of the construction product

Applicable as breathing repair plaster for basement walls and other wet walling onto surfaces treated with World Strong Guard repair primer

2 ESSENTIAL CHARACTERISTICS, PERFORMANCE AND ASSESSMENT METHOD

2.1 Essential characteristics

2.1.1 Mechanical stability

2.1.2 Safety in case of fire

Essential characteristics	Performance	Assessment method
Reaction to fire class	F	EN 13501-1:2007 +A1:2010

2.1.3 Hygiene, health and the environment

Essential characteristics	Performance	Assessment method
Capillary water absorption coefficient (C), kg/(m ² ·min ^{0,5})	0 – 0,5	EN 1015-18:2003
Water penetration, mm	0 – 5,0	
Porosity (V _p), volume%	20 – 40	WTA Merkblatt 2-2-91 clause 5.3.8
Water vapour permeability coefficient (μ)	5 – 20	EN 1015-19:2000

2.1.4 Safety and accessibility in use

Essential characteristics	Performance	Assessment method
Flexural strength, N/mm ²	1,40 – 2,00	EN 1015-11:1999
Compressive strength, N/mm ²	2,50 – 5,00	EN 1015-11:1999
Adhesive strength, N/mm ²	0,25 – 0,35	EN 1015-12:2000

2.1.5 Protection against noise

-

2.1.6 Energy economy and heat retention

-

2.1.7 Sustainable use of natural resources

Essential characteristics	Performance	Assessment method
Freeze-thaw resistance	reference installations are right	visual checking

3 REQUIREMENTS RELATED TO THE EVALUATION AND INSPECTION OF THE CONSTANCY OF PERFORMANCE

3.1 System(s) for the evaluation and inspection of the constancy of performance

On the basis of Commission Decision 97/740/EK, according to annex V of Regulation (EU) no. 305/2011 of the European Parliament and of the Council:

System (4)

3.2 Tasks for the manufacturer

3.2.1 Factory production control (F.P.C.)

Such a Factory Production Control system has to be developed, documented and operated by the manufacturer, which ensures that performance of the product to be built is verifiable in compliance with the values given in this NMÉ.

The Factory Production Control system of the manufacturer, whose quality control system is in accordance with EN ISO 9001, and is supplemented with the requirements for the F.P.C. prescribed in the NMÉ, may be deemed to satisfy the requirements for the F.P.C.

The development, documentation and operation of such a Factory Production Control system, which ensures the constancy of performance of the product is the task of the manufacturer.

The factory production control system has to contain:

- the tasks and those responsible including the contact with the notified certification body and the commitments of notification,
- the regulations concerning to the qualification and training of personnel, the manufacturing and testing instruments, the incoming materials, the manufacturing process, the handling of the occurring non-conformities, and customer complaints and the inspection of the factory production control system by the manufacturer,
- the tests performed within the framework of the factory production control system according to the testing plan of the production control, according to the requirements of the table below.

Tested characteristic	Testing method	Minimum test frequency
Maximum particle size	EN 1015-1:1998	daily
Bulk density of fresh mortar	EN 1015-6:1998	daily
Adhesive strength	EN 1015-12:2000	once per year

- the evaluation of the results of tests performed within the framework of the factory production control system comparing them with the results of the initial type tests.

3.2.2 Providing of the accompanying characteristics of the product

The values of the following product characteristics has to be provided on the packaging or the accompanying document of the product

- maximum particle size;
- bulk density of fresh mortar;
- bulk density of hardened mortar;
- flexural strength;
- compressive strength;
- adhesive strength;
- capillary water absorption and water penetration;

- porosity;
- water vapour permeability coefficient (μ);
- reaction to fire class.

3.2.3 Determination of the product type

Under the type determination, the testing of the following characteristics is necessary according to point 2:

- maximum particle size;
- loose bulk density;
- bulk density of fresh mortar;
- pH value of fresh mortar;
- bulk density of hardened mortar;
- flexural strength;
- compressive strength;
- adhesive strength;
- capillary water absorption and water penetration;
- porosity;
- water vapour permeability coefficient (μ);
- reaction to fire class.

The manufacturer can prepare the documentation of the type determination using the results of tests performed in the preparation of this NMÉ.

3.2.4 Drawing up of the declaration of performance

The declaration of performance drawn up by the manufacturer has to contain – taken into points – the following data:

- identification no. of the declaration,
- Unique identification code of the product-type,
- Type, batch or serial number or any other element allowing identification of the construction product,
- intended use or uses of the construction product, as foreseen by the manufacturer,
- name, registered trade name or registered trade mark and contact address of the manufacturer,
- where applicable, name and contact address of the authorised representative,
- System or systems of assessment and verification of constancy of performance of the construction product,
- name and identification number of the institution issued the NMÉ, identification number of the NMÉ,
- name of the notified body and the tasks carried out by the notified body, the assessment and inspection of the constancy of performance of the construction products made by which and the identification code the issued Certification of Constancy of Performance,
- the performance values given in point 2 concerning to the characteristics given in point 3.2.2
- the following sentences:

- The performance of the product identified in point 1.2 of NMÉ no. A-253/2014 is in conformity with the declared performance in the Declaration.
- This declaration of performance is issued under the sole responsibility of the manufacturer (or the authorised representative) determined in the Declaration of Performance.
 - (Name/function) of the person signs for and on behalf of the manufacturer (or the authorised representative)
 - place/date/signature

4 ANNEX

NMÉ Prepared by



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project manager

Professionally controlled by



Eva Törökné Horváth
professional controller

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