

Project no: TB-7116X-04996-2014

File no: M-4005/2008

**TVB
TYPE TEST CERTIFICATE**

about construction product

World Strong Guard thick layered watertight floor screed

The Central Laboratory of ÉMI Non-profit LLC for Quality Control and Innovation in Building attests with this certificate for

**WORLD STRONG GUARD Kft.
H-5905 Orosháza, Kupa-vezér utca 54.
Hungary**

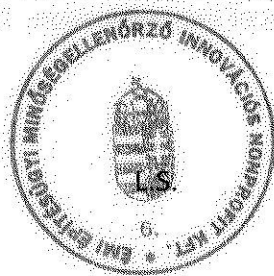
as the holder of TVB, that the Initial Type Test of the product manufactured at the site of

**WORLD STRONG GUARD Kft.
H-5905 Orosháza, Gyártelep u. 13.
Hungary**

and falling within the scope of Regulation of European Parliament and Council no. 305/2011/EU (9 March 2011). On the basis of the test results detailed in *Initial Type Test Report* no. M-4005/2008 dated at 30 June 2008 the product satisfies the requirements fixed in technical specification **EN 13813:2003 „Screed material and floor screeds. Screed material. Properties and requirements”** for **CT-C40-F7-A9 marked cementitious screed material.**

TVB is valid
– assuming unchanged product characteristics –
until **31st March 2020**

Budapest, 17th March 2015




Solyomi Péter
Head of Central Laboratory

Type Test Certificate contains 2 numbered pages, which are valid only together!
ÉMI Non-profit LLC is a body certified by MSZT and IQNET according to MSZ EN ISO 9001:2009.

Properties (characteristics) of the product forming the basis of the Declaration of Performance:

Property and unit	Requirement	Test/assessment method
Type test properties according to standard EN 13813:2003		
Reaction to fire class	-	F _{fl}
Release of corrosive materials	-	CT
Liquid-water permeability	-	NPD*
Water vapour transmission	-	NPD*
Compressive strength	N/mm ²	≥ 30
Flexural strength	N/mm ²	≥ 7,0
Wear resistance	cm ³ /50cm ²	≤ 12,0
Impact sound resistance	-	NPD*
Sound absorption	-	NPD*
Thermal resistance	-	NPD*
Chemical resistance	-	NPD*
Special property		
Impermeability at 1,5 bar pressure, after 7 days	-	no water permeability
		ÉMI method

*NPD: no performance determined.

The results of the Initial Type Test can be used for issuing *Declaration of Performance* in case of system 4 according to Annex V of Regulation of European Parliament and Council no. 305/2011/EU (9 March 2011) until the manufacturing place, the technical specification, the product characteristics, the requirements and the manufacturing processes of the product manufactured at the premises of the manufacturer remains *unchanged*.

The holder of TVB has to claim any changes to the Central Laboratory of ÉMI Non-profit LLC within 30 days, which can be the inquiry to renew the Type Test Certificate.


In the validity period of the Type Test Certificate ÉMI Non-profit LLC will verify the essential characteristics of the product forming the basis of the Declaration of Performance

2 times in the next 5 years


by separate order.

The order for performing verification has to be sent to ÉMI Non-profit LLC first time until 31th March 2017. In case of omission of the verification, Type Test Certificate repealed.

Test Report is compiled by:


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Verified by:


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professional controller

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