



World StrongGuard  
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## PERFORMANCE STATEMENT

Perf. nr.: WSG1104-HU

Product name: **World Strong Guard air-entraining, renovation mortar admixture**

1. Individual identification code of the product: **WSG1104**
2. Type-, item- or serial number or other such element that enables the identification of the construction product, according to standards in article 11. (paragraph 4):

### **World Strong Guard air-entraining, renovation mortar admixture**

3. Function or functions of the construction product as determined by the manufacturer in conformity with the harmonised technological instructions:

**To manufacture air-entrained, cement and lime-cement based renovation mortars for both indoors and outdoors**

4. Name of the manufacturer, registered commercial name and registered patent and their address as per article 11. (paragraph 5):

**World Strong Guard Kft.**  
5900 Orosháza, Gyártelep u. 13.  
www.worldstrongguard.hu

5. In particular case, the name and address of the proxy representative, whose tasks are described in article 12. (paragraph 2): **none**

6. System or systems shown in appendix V. that serve to evaluate and inspect the constancy of the construction products:

7. In case of construction products regulated by harmonised standard(s), the name and identification number of the reported body:

The institution that releases the National Engineering Evaluation:

**ÉMI Construction Quality assurance control Innovational Nonprofit.** carried out the inspection in system 2+ and released the following:

Product conformity certificate number: A-220/2015

The manufacturer inspects the production at the facility on an ongoing basis.



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8. In case of manufacturer statement for such construction products for which European engineering evaluation was issued: **no data**

9. Performance as per the statement

Basic product characteristics*	Performance	Assessment method
Capillary water absorption of hardened mortar $C_{90min}$ {kg/(m <sup>2</sup> min <sup>0.5</sup> )} $C_{24h}$ (kg/m <sup>2</sup> ) Water penetration height <sub>24 h</sub> (mm)	0,16 4,63 28	MSZ EN 1015-18:2003
Water vapour transmission properties of hardened mortar $\Lambda$ (kg Pa <sup>-1</sup> m <sup>-2</sup> s <sup>-1</sup> ) $\mu$ (-)	1,11 10 <sup>-11</sup> 17,4	MSZ EN 1015-19:2000
Air-void content of hardened mortar (V/V%)	22,6	WTA Merkblatt E 2-9-04/D 6.3.9 pontja
Flow of fresh mortar (mm)	170	MSZ EN 1015-3:2000
Bulk density of fresh mortar (kg/m <sup>3</sup> )	1757	MSZ EN 1015-6:1999
Bulk density of hardened mortar (kg/m <sup>3</sup> )	1575	MSZ EN 1015-10:2000
Flexural strength of hardened mortar (N/mm <sup>2</sup> )	4,8	MSZ EN 1015-11:2000
Compressive strength of hardened mortar (N/mm <sup>2</sup> )	15,1	MSZ EN 1015-11:2000
Bond strength of hardened mortar (N/mm <sup>2</sup> )	1,15	MSZ EN 1015-12:2000
Bond strength of hardened mortar on concrete after freeze-thaw cycles (N/mm <sup>2</sup> )	1,39	MSZ EN 1015-21:2003 MSZ EN 1015-12:2000
Fire safety class (-)	A1**	MSZ EN 13501-1:2007 +A1:2010

\*The adhesive strength test was carried out using waterproof binder.

\*\*The fire safety class of hardened mortar with admixture.



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*\*\*\*Basic product characteristics are valid when those mortar recipes are used that are shown in A-219/2015 number NMÉ point 2.*

10. The product performance shown in A-219/2015 number NMÉ point 2. is in conformity with the standard performance in statement.

For issuing this performance certificate, the manufacturer shown in performance certificate (or the proxy representative) is solely responsible.

**The person signing on behalf of the manufacturer is:**

Törőcsik Ferenc, World Strong Guard Kft., as company manager.

Törőcsik Ferenc  
manager

Orosháza, 14. January.2017.