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R.I. RA,  
partita iva e  
codice fiscale  
02200460398  
R.E.A. RA  
180280  
capitale sociale  
€ 84.000  
interamente versato

# TEST REPORT

010118 - R - 4289

## ANNEX TO THE CERTIFICATE OF CONFORMITY 030/15

### Tests executed by

Ind. Tech. Germano Pederzoli



Ind. Tech. Federica Farina



### Drawn up

Dr. Marco Marsigli



### Approved

Eng. Luca Laghi



PLACE AND DATE OF ISSUE: Faenza, 04/02/2015

COMPANY: **F.B.M. – Fornaci Briziarelli Marsciano S.p.A.**

ADDRESS: Località Fornaci  
06055 Marsciano (PG)

TYPE OF PRODUCT: **Coppo Grande**  
(over and under tile)

STANDARD APPLIED: UNI EN 1304, UNI EN 1024, UNI EN 538,  
UNI EN 539-1, UNI EN 539-2

### DECLARED VALUES:

LENGTH 500 mm  
CAMBER 0.0 mm  
FIXING No

SAMPLING DATE: 12/10/2014

TESTS EXECUTED: February - March 2015

TESTS EXECUTED AT: CertiMaC, Faenza

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| Test  | N. specimens | Results   | Acceptance limits  |
|---|--------------|---|--|
| <b>Appearance and structure</b><br>N. unsatisfactory specimens  | 100          | 0   | $\leq 5$   |
| <b>Flexural strength</b><br>Minimum breaking load<br>Average breaking load<br>Maximum breaking load<br>Standard deviation | 10           | 5.91 kN<br>6.90 kN<br>7.88 kN<br>0.62 kN  | $F \geq 1.00 \text{ kN}$   |
| <b>Impermeability</b><br>Maximum impermeability<br>Average impermeability<br><br>Category of impermeability               | 10           | 0.03 cm <sup>3</sup> cm <sup>2</sup> gg <sup>-1</sup><br>0.02 cm <sup>3</sup> cm <sup>2</sup> gg <sup>-1</sup><br><br>1 | <u>Category 1</u><br>$IF \leq 0.60 \text{ cm}^3 \text{ cm}^{-2} \text{ gg}^{-1}$<br>$\bar{IF} \leq 0.50 \text{ cm}^3 \text{ cm}^{-2} \text{ gg}^{-1}$<br><u>Category 2</u><br>$IF \leq 0.90 \text{ cm}^3 \text{ cm}^{-2} \text{ gg}^{-1}$<br>$\bar{IF} \leq 0.80 \text{ cm}^3 \text{ cm}^{-2} \text{ gg}^{-1}$ |
| <b>Frost resistance, European single test method</b><br>Number of cycles carried out without defects<br><br>Level         | 6            | 150<br><br>Level 1  | $\geq 150$ (Level 1)<br>$\geq 90$ and $< 150$ (Level 2)<br>$\geq 30$ and $< 90$ (Level 3)  |
| <b>Individual dimensions: Length</b><br>Average tolerance<br>Minimum tolerance<br>Maximum tolerance                       | 10           | 0.1 %<br>0.0 %<br>0.2 %   | $L_T \leq \pm 2.0 \%$  |
| <b>Camber</b><br>Average camber<br>Minimum camber<br>Maximum camber   | 10           | 0.1 %<br>0.0 %<br>0.3 %   | $\bar{R}_L \leq 1.5 \%$  |
| <b>Uniformity of transverse profile</b><br>Maximum difference between narrow ends<br>Maximum difference between wide ends | 10           | 5.0 mm<br>6.6 mm  | $\Delta E_1 \leq 15.0 \text{ mm}$<br>$\Delta E_2 \leq 15.0 \text{ mm}$   |