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

**Tests executed by**

Ind. Tech. Germano Pederzoli



Ind. Tech. Federica Farina



**Drawn up**

Dr. Marco Marsigli



**Approved**

Eng. Luca Laghi



# TEST REPORT

**010118 - R - 4291**

## ANNEX TO THE CERTIFICATE OF CONFORMITY 032/15

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 Più**  
(tile with sidelock and headlock)

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

DECLARED VALUES:

LENGTH	439 mm
WIDTH	285.5 mm
CAMBER	0.0 mm
FIXING	Yes

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> N. unsatisfactory specimens	100	0	$\leq 5$
<b>Flexural strength</b> Minimum breaking load Average breaking load Maximum breaking load Standard deviation	10	7.04 kN 7.67 kN 8.49 kN 0.42 kN	$F \geq 1.20$ kN
<b>Impermeability</b> Maximum impermeability Average impermeability  Category of impermeability	10	0.04 cm <sup>3</sup> cm <sup>2</sup> gg <sup>-1</sup> 0.03 cm <sup>3</sup> cm <sup>2</sup> gg <sup>-1</sup>  1	<u>Category 1</u> $IF \leq 0.60$ cm <sup>3</sup> cm <sup>2</sup> gg <sup>-1</sup> $\bar{IF} \leq 0.50$ cm <sup>3</sup> cm <sup>2</sup> gg <sup>-1</sup> <u>Category 2</u> $IF \leq 0.90$ cm <sup>3</sup> cm <sup>2</sup> gg <sup>-1</sup> $\bar{IF} \leq 0.80$ cm <sup>3</sup> cm <sup>2</sup> gg <sup>-1</sup>
<b>Frost resistance, European single test method</b> Number of cycles carried out without defects  Level	6	150  Level 1	$\geq 150$ (Level 1) $\geq 90$ and $< 150$ (Level 2) $\geq 30$ and $< 90$ (Level 3)
<b>Individual dimensions: Length</b> Average tolerance Minimum tolerance Maximum tolerance	10	- 0.7 % - 0.6 % - 0.9 %	$L_T \leq \pm 2.0$ %
<b>Individual dimensions: Width</b> Average tolerance Minimum tolerance Maximum tolerance	10	- 1.5 % - 1.2 % - 1.8 %	$l_T \leq \pm 2.0$ %
<b>Camber</b> Average camber Minimum camber Maximum camber	10	0.3 % 0.2 % 0.5 %	$\bar{R}_L \leq 1.5$ %
<b>Twist</b> Average twist Minimum twist Maximum twist	10	0.5 % 0.3 % 0.8 %	$C_p \leq 1.5$ %