

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

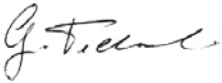
TEST REPORT

010118 - R - 4290

ANNEX TO THE CERTIFICATE OF CONFORMITY 031/15

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: **Tegola Romana Piana**
(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 450 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
Appearance and structure N. unsatisfactory specimens	100	0	≤ 5
Flexural strength Minimum breaking load Average breaking load Maximum breaking load Standard deviation	10	1.88 kN 2.09 kN 2.59 kN 0.23 kN	$F \geq 1.00 \text{ kN}$
Impermeability Maximum impermeability Average impermeability Category of impermeability	10	0.04 cm ³ cm ² gg ⁻¹ 0.03 cm ³ cm ² gg ⁻¹ 1	<u>Category 1</u> $IF \leq 0.60 \text{ cm}^3 \text{ cm}^2 \text{ gg}^{-1}$ $\bar{IF} \leq 0.50 \text{ cm}^3 \text{ cm}^2 \text{ gg}^{-1}$ <u>Category 2</u> $IF \leq 0.90 \text{ cm}^3 \text{ cm}^2 \text{ gg}^{-1}$ $\bar{IF} \leq 0.80 \text{ cm}^3 \text{ cm}^2 \text{ gg}^{-1}$
Frost resistance, European single test method Number of cycles carried out without defects Level	6	150 Level 1	≥ 150 (Level 1) ≥ 90 and < 150 (Level 2) ≥ 30 and < 90 (Level 3)
Individual dimensions: Length Average tolerance Minimum tolerance Maximum tolerance	10	- 0.4 % - 0.2 % - 0.5 %	$L_T \leq \pm 2.0 \%$
Camber Average camber Minimum camber Maximum camber	10	0.5 % 0.4 % 0.7 %	$\bar{R}_L \leq 1.5 \%$
Uniformity of transverse profile Maximum difference between narrow ends Maximum difference between wide ends	10	2.1 mm 1.9 mm	$\Delta E_1 \leq 15.0 \text{ mm}$ $\Delta E_2 \leq 15.0 \text{ mm}$