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02200460398
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180280
capitale sociale
€ 84.000
interamente versato

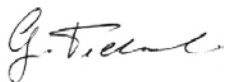
TEST REPORT

010119 - R - 4862

ANNEX TO THE CERTIFICATE OF CONFORMITY 001/16

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, 02/12/2016

COMPANY: **VE-VA S.p.A.**

ADDRESS: Via Fornace Verni, 153
47842 San Giovanni in Marignano (RN)

TYPE OF PRODUCT: **Tegola Portoghese**
(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 407 mm
WIDTH 241 mm
CAMBER 0.0 mm
FIXING Yes

SAMPLING DATE: 12/16/2015

TESTS EXECUTED: January – February 2016

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	4.07 kN 4.57 kN 4.84 kN 0.30 kN	$F \geq 1.20 \text{ kN}$
Impermeability Maximum impermeability Average impermeability Category of impermeability	10	0.06 cm ³ cm ² gg ⁻¹ 0.04 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	- 0.1 % 0.0 % - 0.2 %	$L_T \leq \pm 2.0 \%$
Individual dimensions: Width Average tolerance Minimum tolerance Maximum tolerance	10	1.0 % 0.6 % 1.2 %	$I_T \leq \pm 2.0 \%$
Camber Average camber Minimum camber Maximum camber	10	0.6 % 0.5 % 0.7 %	$\bar{R}_L \leq 1.5 \%$
Twist Average twist Minimum twist Maximum twist	10	0.4 % 0.0 % 1.1 %	$C_p \leq 1.5 \%$