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02200460398  
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180280  
capitale sociale  
€ 84.000  
interamente versato

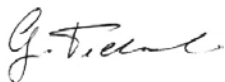
# TEST REPORT

**010119 - R - 4864**

## ANNEX TO THE CERTIFICATE OF CONFORMITY 003/16

**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 Anticata**  
(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
<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	4.01 kN 4.50 kN 5.05 kN 0.42 kN	$F \geq 1.20 \text{ kN}$
<b>Impermeability</b> Maximum impermeability Average impermeability  Category of impermeability	10	0.06 cm <sup>3</sup> cm <sup>-2</sup> gg <sup>-1</sup> 0.05 cm <sup>3</sup> cm <sup>-2</sup> gg <sup>-1</sup>  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> $IF \leq 0.90 \text{ cm}^3 \text{ cm}^{-2} \text{ gg}^{-1}$ $\bar{IF} \leq 0.80 \text{ cm}^3 \text{ cm}^{-2} \text{ gg}^{-1}$
<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	- 0.1 % 0.0 % - 0.2 %	$L_T \leq \pm 2.0 \%$
<b>Individual dimensions: Width</b> Average tolerance Minimum tolerance Maximum tolerance	10	0.9 % 0.7 % 1.2 %	$I_T \leq \pm 2.0 \%$
<b>Camber</b> Average camber Minimum camber Maximum camber	10	0.1 % 0.0 % 0.2 %	$\bar{R}_L \leq 1.5 \%$
<b>Twist</b> Average twist Minimum twist Maximum twist	10	0.3 % 0.1 % 0.7 %	$C_p \leq 1.5 \%$