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ECAMRICERT S.R.L. Iscritta alla C.C.I.A.A. di Vicenza al nr. 175400 R.E.A. Capitale sociale €. 75.000,00 i.v.  
Laboratorio iscritto al Registro Regionale dei Laboratori ai fini dell'autocontrollo (D.G.R.V. n° 3644/2004)  
Laboratorio di ricerca altamente qualificato art. 14 DM 593/2000-G.U. n° 29/2003  
Accreditamento LAB N° 0699 conforme ai requisiti della norma UNI CEI EN ISO/IEC 17025:2005 / Membro degli accordi di mutuo riconoscimento EA, IAF e ILAC.

# Any sample(s) and its information listed in this document are provided and identified by clients /  $\diamond$  extended uncertainty  $U$ , coverage factor  $K=2$  (confidence level of 95%), unless otherwise indicated / N.A. not applicable / \*\* test carried out by an external laboratory qualified in accordance with PG010 / This Test Report cannot be reproduced, except in full, without prior written permission of the laboratory. Unless otherwise state the result shown in this report refer only to the sample(s) tested and such sample(s) are retained for 30 days. / Any unauthorized alteration, forgery or falsification of the content is unlawful, offenders may be prosecuted to the fullest extent of the law.

## TECHNICAL REPORT

REFERENCE: TEST REPORT N. 15-8106-005 of 02/23/2016

MANUFACTURER	Fornace Laterizi Vardanega Isidoro Srl
FACTORY	FORNACE LATERIZI VARDANEGA ISIDORO SRL - Possagno (TV)
PRODUCT	TEGOLA ITALICA AD IMPASTO ARTICO ROSSO
DECLARED DIMENSIONS LENGTH	480 mm
DECLARED DIMENSIONS WIDTH	480 mm
SAMPLING DATE	11/26/2015
NORMATIVE REFERENCES	UNI EN 1304:2013 UNI EN 1024:2012 UNI EN 538:1997 UNI EN 539-1:2006 UNI EN 539-2:2013

TEST	NORMATIVE	N. SPECIMENS	RESULTS	ACCEPTATION REQUIREMENTS
APPEARANCE TEST N. specimens faulty Result	UNI EN 1304:2013	100	2 satisfy	$\leq 5\%$ satisfy / not satisfy
DIMENSIONS Length: mean tolerance Width: mean tolerance	UNI EN 1024:2012	10	-0,6 % 0,0 %	$L_t \leq \pm 2\%$ $L_t \leq \pm 2\%$
CAMBER Mean camber	UNI EN 1024:2012	10	0,3 %	$R_L \leq \pm 1,5\%$ for $L_T > 300$ mm
UNIFORMITY OF THE TRANSVERSE PROFILE Maximum difference of the narrow profile Maximum difference of the wide profile	UNI EN 1024:2012	10	0,2 %	$\Delta E_1 \leq 15$ mm $\Delta E_2 \leq 15$ mm
FLEXURAL STRENGTH Minimum loading Mean loading	UNI EN 538:1997	10	3,21 kN 3,91 kN	$F \geq 1,2$ kN
IMPERMEABILITY Maximum value Mean value Category	UNI EN 539-1:2006 (method 1)	10	$0,3 \text{ cm}^3 \text{ cm}^{-2} \text{ d}^{-1}$ $0,3 \text{ cm}^3 \text{ cm}^{-2} \text{ d}^{-1}$ 1	<b>Category 1</b> $IF \leq 0,6 \text{ cm}^3 \text{ cm}^{-2} \text{ d}^{-1}$ $IF \leq 0,5 \text{ cm}^3 \text{ cm}^{-2} \text{ d}^{-1}$ <b>Category 2</b> $IF \leq 0,9 \text{ cm}^3 \text{ cm}^{-2} \text{ d}^{-1}$ $IF \leq 0,8 \text{ cm}^3 \text{ cm}^{-2} \text{ d}^{-1}$
FROST RESISTANCE N. cycles Appearance test Level	UNI EN 539-2:2013	6	150 passed L1	<b>Level Category</b> <b>L 3:</b> 30 cycles passed <b>L 2:</b> 90 cycles passed <b>L 1:</b> 150 cycles passed

Monte di Malo, 23<sup>rd</sup> february 2016

Director of Building Product Sector Dott. Geol.Francesco Bazzolo

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