CertiMaC
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R.I.RA,
partita iva e
codice fiscale
02200460398
R.E.A.RA
180280
capitale sociale
€ 60.000
interamente versato

This Certificate of Conformity has a yearly validity from the date of issue.

Type tests were made on samples selected in the factory by qualified personnel of laboratory CertiMaC

Type test results are available in test report n° 010114 - R - 2387 annexed to this Certificate of Conformity

CERTIFICATE OF CONFORMITY

N. 029/11

ISSUED TO THE COMPANY

Tognana Industrie e Fornaci S.p.A.

Via S. Antonino, 350/A - 31100 Treviso (TV)

FOR THE FACTORY

Via S. Antonino, 350/A - 31100 Treviso (TV)

FOR THE PRODUCT

Tegola Copporeale

CERTIMAC DECLARES THAT THE ABOVE MENTIONED PRODUCT HAS SUCCESSFULLY OVERCOME THE LABORATORY TESTS IN ACCORDANCE WITH THE TYPE TESTS OF THE STANDARDS

UNI EN 1304, UNI EN 1024, UNI EN 538, UNI EN 539-1, UNI EN 539-2

IMPERMEABILITY:	Method 1 Category of impermeability 1
FROST RESISTANCE:	Method C

First Issue	04/16/1998	Eng. Martino Labanti
Current Issue	03/02/2011	

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Tests executed by

Ind. Tech. Germano Pederzoli

Ind. Tech. Federica Farina

Drawn up

Dr. Marco Marsigli

Approved

Eng. Martino Labanti

TEST REPORT

010114 - R - 2387

ANNEX TO THE CERTIFICATE OF CONFORMITY 029/11

PLACE AND DATE OF ISSUE:	Faenza, 03/02/2011
COMPANY:	**Tognana Industrie e Fornaci S.p.A.**
FACTORY:	Via S. Antonino, 350/A 31100 Treviso (TV)
TYPE OF PRODUCT:	**Tegola Copporeale** (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	422 mm
WIDTH	256 mm
CAMBER	0.0 mm
FIXING	Yes
SAMPLING DATE:	12/10/2010
TESTS EXECUTED:	February-March 2011
TESTS EXECUTED AT:	CertiMaC, Faenza

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Test	N. specimens	Results	Acceptance limits
Appearance and structure	100		
N. unsatisfactory specimens		0	≤ 5
Flexural strength	10		
Minimum breaking load		5.13 kN	F ≥ 1.20 kN
Average breaking load		6.21 kN	
Maximum breaking load		7.01 kN	
Standard deviation		0.67 kN	
Impermeability	10		Category 1
Maximum impermeability		0.06 $cm^3 cm^{-2} gg^{-1}$	IF ≤ 0.60 $cm^3 cm^{-2} gg^{-1}$
Average impermeability		0.05 $cm^3 cm^{-2} gg^{-1}$	$\overline{IF}$ ≤ 0.50 $cm^3 cm^{-2} gg^{-1}$
			Category 2
			IF ≤ 0.90 $cm^3 cm^{-2} gg^{-1}$
			$\overline{IF}$ ≤ 0.80 $cm^3 cm^{-2} gg^{-1}$
Category of impermeability		1	
Frost resistance, method C	10		
Appearance and structure		satisfactory	satisfactory/unsatisfactory
Mass loss		0.0 %	ΔM ≤ 1.0 %
Individual dimensions: Length	10		
Average tolerance		- 0.6 %	L_T ≤ ± 2.0 %
Minimum tolerance		- 0.4 %	
Maximum tolerance		- 0.8 %	
Individual dimensions: Width	10		
Average tolerance		- 0.8 %	l_T ≤ ± 2.0 %
Minimum tolerance		- 0.3 %	
Maximum tolerance		- 1.3 %	
Camber	10		
Average camber		0.3 %	$\overline{R}_L$ ≤ 1.5 %
Minimum camber		0.1 %	
Maximum camber		0.6 %	
Twist	10		
Average twist		0.4 %	C_p ≤ 1.5 %
Minimum twist		0.0 %	
Maximum twist		0.9 %	