

As requested by the company

“Industrie Cotto Possagno Spa”

Via Molinetto, 80

Possagno (TV)

the laboratory Ri.Cert. Spa sampled and tested the aspect of roofing tile materials at the factory “ILCA” – according to the regulations UNI EN 1304 – for product:

UNICOPPO ARDESIA EXTRA

According to the results of the laboratory examinations and referring to the “technical specifications concerning the Quality Mark of roofing tile products”, the product Unicoppo Ardesia Extra is awarded with this certification:

CONFORMITY CERTIFICATE N° 028/10

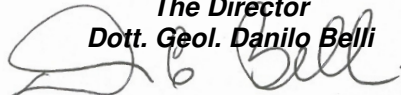
according to UNI EN 1304, UNI EN 1024, UNI EN 538, UNI EN 539-1, UNI EN 539-2

Impermeability:	Method 1 Category 1
Frost resistance:	Method E L3

Monte di Malo, 29th march 2010

This Conformity Certificate has validity for one year from the date of its redaction

**Building Product Sector
The Director
Dott. Geol. Danilo Belli**



TECHNICAL REPORT
REFERENCE: TEST REPORT N. 21426 of 03/29/2010

MANUFACTURER	Industrie Cotto Possagno Spa
FACTORY	ILCA - POSSAGNO (TV)
PRODUCT	UNICOPPO ARDESIA EXTRA
DECLARED DIMENSIONS LENGTH	490 mm
SAMPLING DATE	10/19/2009
NORMATIVE REFERENCES	UNI EN 1304 UNI EN 1024 UNI EN 538 UNI EN 539-1 UNI EN 539-2

TEST	NORMATIVE	N. SPECIMENS	RESULTS	ACCEPTATION REQUIREMENTS
APPEARANCE TEST N. specimens faulty Result	UNI EN 1304	100	2 satisfy	≤ 5% satisfy / not satisfy
DIMENSIONS Length: mean tolerance	UNI EN 1024	10	0 %	$L_L \leq \pm 2\%$
CAMBER Mean camber	UNI EN 1024	10	0,4 %	$R_L \leq \pm 1,5\%$ for $L_T > 300$ mm
FLEXURAL STRENGTH Minimum loading Mean loading	UNI EN 538	10	4,91 kN 5,43 kN	$F \geq 1,0$ kN
IMPERMEABILITY Maximum value Mean value Category	UNI EN 539-1 (method 1)	10	0,2 cm ³ cm ⁻² d ⁻¹ 0,1 cm ³ cm ⁻² d ⁻¹ 1	<i>Category 1</i> $IF_i \leq 0,6$ cm ³ cm ⁻² d ⁻¹ $IF \leq 0,5$ cm ³ cm ⁻² d ⁻¹ <i>Category 2</i> $IF_i \leq 0,9$ cm ³ cm ⁻² d ⁻¹ $IF \leq 0,8$ cm ³ cm ⁻² d ⁻¹
FROST RESISTANCE N. cycles Appearance test Level	UNI EN 539-2 (method E)	6	150 passed L3	<i>Level Category</i> L 1: 30 cycles passed L 2: 90 cycles passed L 3: 150 cycles passed

 Monte di Malo, 29th march 2010

The Experimenter
 Dott. Andrea Zanrosso


Building Product Sector
 The Director
 Dott. Geol. Danilo Belli
