



TEST REPORT: 20085190

Modena, 06/05/10

CUSTOMER	LAMINAM SPA - - VIA GHIAROLA NUOVA 258 - 41042 - FIORANO MODENESE - MO
MATERIAL and/o SAMPLE to be tested	LAMINATED PORCELAIN cm 20X30;
Denomination	COLLECTION NERO - LAMINAM 3;
Date of sample reception	03/10/2008;
Kind of test executed	Determination of Frost Resistance
Referring standards	UNI EN ISO 10545/12-00
Shifting from standards	No one
Equipment	Thermo - freezer cod. MCP C29
Calibration	10/08/2006
Subcontracted phases	No one
Sampling made by	Customer

The test results showing in this Report are only referred to the sample taken by our staff or supplied by the Customer. He commits himself to reproduce integrally this document. Partial reproduction is forbidden.
 The times of retain of the samples was indicated in "Pratiche Operative Standard" and in "Manuale Qualità".

Beginning date : 20/10/2008

Analysis ending date : 30/10/2008

DETERMINATION OF FROST RESISTANCE

SAMPLE : Ceramic tiles, size cm. 20X30 and marked « COLLECTION NERO - LAMINAM 3 »

The test was performed by immersing the tiles in water and subjecting them to 100 times at the cycles of frost/defrost from + 5°C and - 5°C.

RESULTS

- Mean water content before test E₁ : 0,12%
- Mean water content after test E₂ : 0,12%
- Number of tiles tested : 10
- Number of tiles damaged after 100 cycles : 0
- Damage caused by the test on the surface and on the edges of the tiles : No one

REQUIREMENTS

(Norm EN 14411 Annex G)

Required.

Examiner P.I. Fili Thomas	Ceramic Dept. Responsible P.I. De Pasquale Roberto	Director Dr. Sant'Unione Giuseppe
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