





LAB Nº 1170 L

Testing, Experimentation and Quality Control Laboratory

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TEST REPORT n. 1411/2022/I CERAMIC TILES SASO ISO 10545-12:2007 DETERMINATION OF FROST RESISTANCE		
Date of report:	03/31/2022	
Customer:	LAMINAM S.p.A.	
	Via Ghiarola Nuova, 258 41042 Fiorano Modenese (MO)	
Requested on:	02/07/2022	
Our ref.number:	32482	
Execution place of tests:	Scandiano (RE)	
Description of the sample:	"Unglazed ceramic tiles 500x500 mm marked: UNGLAZED CERAMIC TILES BIa UGL RECTIFIED"	
Sampling:	carried out by the customer	
Receipt date of samples:	03/08/2022	
Execution date of tests:	start: 03/13/2022 end: 03/22/2022	
Test specification:	SASO ISO 10545-12:2007 Ceramic tiles - Determination of frost resistance	
Warnings:	This test report may not be reproduced in part without our written approval. The results reported only refer to the samples tested, as received, and are only valid under the conditions in which the work was carried out. The information enclosed in inverted commas was provided by the customer and the laboratory accepts no liability for it.	





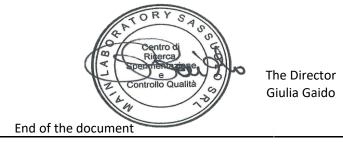


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TEST REPORT n. 1411/2022/I CERAMIC TILES SASO ISO 10545-12:2007 DETERMINATION OF FROST RESISTANCE		
Principle:	after impregnation with water, submission of the tiles to a cycle between + 5°C and - 5°C, all sides of the tiles being exposed to freezing during a minimum of 100 freeze-thaw cycles.	
Number of tested tiles:	10	
Initial water absorption, E ₁ (%):	0,0	
Final water absorption, E_2 (%):	0,0	
Number of damaged tiles after 100 cycles:	0	
Defects before the test:	no visible defect.	
Damage caused after the test:	no visible alteration.	



Requirements (Standard SASO ISO 13006:2018 - Table G.1)

Required

Note: the test has been carried out on 50x50 cm samples obtained by the Client by cutting slabs of dimensions 162x324 cm, 120x270 cm and 100x300 cm.