
TEST REPORT n. 4556/2020/I

**CERAMIC TILES - DETERMINATION OF IMPACT RESISTANCE BY MEASUREMENT OF COEFFICIENT OF
RESTITUTION
UNI EN ISO 10545-5:2000**

Date of report:	11/17/2020
Customer:	NUOVOCORSO S.p.A. Via Mulini Valle Tresinaro, 11 42033 ZOCCADELLO DI ONFIANO - CARPINETI (RE)
Requested on:	11/04/2020
Our ref.number:	28787
Execution place of tests:	Scandiano (RE)
Description of the sample:	"Portion of ceramic tiles 60x60 cm obtained by cutting to original size 160x320 cm marked: GLAZED PORCELAIN TILES RECTIFIED"
Sampling:	carried out by the customer
Receipt date of samples:	11/04/2020
Execution date of tests:	start: 11/10/2020 end: 11/13/2020
Test specification:	UNI EN ISO 10545-5:2000 Determination of impact resistance by measurement of coefficient of restitution.
Warnings:	<i>This test report can not be reproduced in part, without our written consent. The reported results relate only to the samples tested. The information included in quotation marks was provided by the customer.</i>

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Principle: Determination of the coefficient of restitution by dropping a steel ball from a fixed height onto the test specimen and measuring the height of rebound.

Operating conditions

- 19 mm diameter chrome steel ball
- Equipment composed of electromagnet and sound measurement system
- Standard malt screed size 75x75x50 mm
- Epoxy resin with two components

Results

Sample	Coefficient of restitution	Description of surface (if any) breakage
1	0,91	Impact point visible from 1 meter away.
2	0,91	Impact point visible from 1 meter away.
3	0,92	Impact point visible from 1 meter away.
4	0,91	Impact point visible from 1 meter away.
5	0,92	Impact point visible from 1 meter away.
Average:	0,91	



The Director
Giulia Gaido

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