
TEST REPORT n. 4861/2020/I

**CERAMIC TILES - DETERMINATION OF LEAD AND CADMIUM GIVEN OFF BY GLAZED TILES
UNI EN ISO 10545-15: 2000**

Date of report: 12/01/2020

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 glazed 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: 11/23/2020 end: 11/26/2020

Test specification: UNI EN ISO 10545 - 15:2000
Determination of lead and cadmium given off by glazed tiles

Warnings: *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.*

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- Principle:** Exposure of the enamelled surface of the ceramic tile to an acetic acid solution. Determination, by an appropriate method, of the quantity of Pb and Cd released in solution (in our case by atomic absorption).
- Preparation of samples:** The surface of the tiles to be tested was washed with tap water with a small amount of detergent agent and rinsed with grade 2 water. The samples were dried and a strip of silicone sealant was subsequently applied to the glazed surface around the entire perimeter of the surface to be tested.
- Procedure:** Extraction with acetic acid was carried out as described in point 7.1 of the standard.
The determination of lead and cadmium was carried out as described in point 7.2 of the standard.

Test results:

ρ (Pb):	<0,05	mg/l	(limit of instrumental detection)
ρ (Cd):	<0,01	mg/l	(limit of instrumental detection)
ρ_A (Pb):	---	mg/dm ²	(unquantifiable)
ρ_A (Cd):	---	mg/dm ²	(unquantifiable)

Where: ρ (Pb) is the concentration of Pb in the extract
 ρ (Cd) is the concentration of Cd in the extract
 ρ_A (Pb) is the mass of Pb extract per unit surface
 ρ_A (Cd) is the mass of Cd extract per unit surface



The Director
Giulia Gaido

End of the document

The exclusion thresholds for the eco-label for hard floor coverings ("Ecolabel") are:

Pb < 0,80 (mg/dm²)
Cd < 0,07 (mg/dm²)