

Report no. C070361
Pages 2

Determination of the slip resistance of ceramic tiles

Sample 1: REF: 4401.DD.147 (TOPCER INDUSTRIA CERÁMICA, LDA)

ITACA, S.A.

Castellón, 26 February 2007

1 Background

On 15 February 2007 the Instituto de Tecnología Cerámica (ITC) received a sample of ceramic tiles supplied by ITACA, S.A., identified by the following reference:

- Sample 1: REF: 4401.DD.147 (TOPCER INDUSTRIA CERÁMICA, LDA)

The sample consisted of 18 ceramic tiles with the following characteristics: dry-pressed, unglazed, and measuring 95 mm x 95 mm.

The determination of their USRV slip resistance value by the pendulum method was requested.

This report is a full translation of our report C070360 issued on 26 February 2007.

2 Tests conducted

The test has been conducted in accordance with the method set out in standard UNE-ENV 12633:2003 "Method of determination of unpolished and polished slip/skid resistance value". The procedure described in Annex A of this standard has been followed to determine the unpolished slip resistance value (USRV).

The instrument consists of a pendulum arm, 510 mm long, with a rubber slider of hardness IRHD 59±4, measuring approximately 76 x 25 mm, mounted on the end of the arm. The height of the instrument is adjusted so that the slider, which bears a constant load of 22.2±0.5N, maintains contact with the surface for a distance of 126±1mm.

The sample is immersed in water for at least 30 minutes before the test. Each tile is tested in two opposite directions (0° and 180°) with the tile surface saturated with distilled water.

3 Results

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Table 1

Tile	Direction	USRV value	Average USRV value
1	0°	46	49
	180°	51	
2	0°	52	52
	180°	51	
3	0°	47	47
	180°	46	
4	0°	50	49
	180°	47	
Average value			49

Report no. C070361, issued at the request of ITACA, S.A., consists of a title page and 2 pages.

Castellón, 26 February 2007



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