


Company TopCer - Indústria de Cerâmica, Lda, with headquarters at Zona Industrial de Oiã - 3770 908 - Oiã - Portugal, declares that their porcelain wall and floor tiles for internal and external uses produced at Zona Industrial de Oiã - 3770 908 - Oiã - Portugal, are in conformity with 89/106/CEE directive.

The products have the characteristics indicated on following table:

	<p>EN 14411 Dry pressed porcelain tiles of group BIa For internal or external wall and floorings</p>	
Producer: TopCer – Indústria de Cerâmica, Lda Address: Zona Industrial de Oiã – 3770 908 – Oiã - PORTUGAL		
List of characteristics	Declared values	Test method
Reaction to fire	Class A1/ A1 _{f1} ^(p)	Decision 96/603/CE
Breaking strength Modulus of rupture ^(r)	> 1300 N R > 35 N/mm ²	EN ISO 10545-4
Thermal shock resistance	Passed	EN ISO 10545-9
Bond strength / adhesion ^(r)	a) With cementitious adhesives: 2.0 N/mm ² b) With dispersion adhesives: 1.6 N/mm ² c) With reaction resin adhesives: > 2.8 N/mm ²	EN 1348
Slipperiness ^(p)	http://www.topcer.com/technical_data_sheet.htm http://www.topcer.com/independent_tests.htm	
Durability Freeze/thaw resistance ^(e)	Passed	EN ISO 10545-12
Release of dangerous substances: <ul style="list-style-type: none"> • Lead • Cadmium 	NPD NPD	EN ISO 10545-15

(e) external; (p) flooring; (r) walls

This declaration authorizes CE marking, based on results of initial type tests made at CTCV - Portugal, Ceram – UK, on factory production control and accomplishment of EN 14411 standard, for the indicated applications.

For different applications, please, contact TopCer.

Tests: http://www.topcer.com/independent_tests.htm

TopCer, 2011-01-17

The Managing Director