


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><b>EN 14411</b> Dry pressed porcelain tiles of group BIa For internal or external wall and floorings</p>	
<p>Producer: TopCer – Indústria de Cerâmica, Lda Address: Zona Industrial de Oiã – 3770 908 – Oiã - PORTUGAL</p>		
List of characteristics	Declared values	Test method
Reaction to fire	Class A1/ A1 <sub>fl</sub> <sup>(p)</sup>	Decision 96/603/CE
Breaking strength Modulus of rupture <sup>(r)</sup>	> 1300 N R > 35 N/mm <sup>2</sup>	EN ISO 10545-4
Thermal shock resistance	Passed	EN ISO 10545-9
Bond strength / adhesion <sup>(r)</sup>	a) With cementitious adhesives: 2.0 N/mm <sup>2</sup> b) With dispersion adhesives: 1.6 N/mm <sup>2</sup> c) With reaction resin adhesives: > 2.8 N/mm <sup>2</sup>	EN 1348
Slipperiness <sup>(p)</sup>	<a href="http://www.topcer.com/technical_data_sheet.htm">http://www.topcer.com/technical_data_sheet.htm</a> <a href="http://www.topcer.com/independent_tests.htm">http://www.topcer.com/independent_tests.htm</a>	
Durability Freeze/thaw resistance <sup>(e)</sup>	Passed	EN ISO 10545-12
Release of dangerous substances: • 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](http://www.topcer.com/independent_tests.htm)

TopCer, 2012-01-17

The Managing Director