



date: 10.11.2011

number:9/B

## Conformity attestation

Altaeco S.p.a - via G. Pascoli, 4/6 - 20010 Vittuone (MI)

<b>Plant address:</b>	Via Giovanni Pascoli, 4/6 - 20010 Vittuone (MI)
<b>Year in which the mark was affixed:</b>	2011
<b>Reference standard:</b>	EN 14411
<b>Product classification:</b>	dry pressed ceramic tiles ,produced from a coloured mass of porcelain stoneware
<b>Commercial brand:</b>	CERAMICA BARDELLI
<b>Product:</b>	Dry pressed ceramic tiles - MINIMAX R9
<b>Product description:</b>	all shapes and colours - TERRADILUNA
<b>Group:</b>	B1a (E≤0,5%)

### CHARACTERISTICS

<b>Reaction to fire:</b>	A2 - s1, d0		
<b>Flexural tensile strength:</b>			
breaking strength	> 700	N	(for tiles with thickness < 7,5 mm)
breaking strength	>	N	(for tiles with thickness ≥ 7,5 mm)
modulus of rupture	> 100	N/mm <sup>2</sup>	
<b>Resistance to thermal shocks:</b>	passed		
<b>Bond strength/adhesion:</b>			
with cementitious adhesives (cl.)	NPD	N/mm <sup>2</sup>	
with dispersion adhesives (cl.)	NPD	N/mm <sup>2</sup>	
with reaction resines adhesive (cl.)	NPD	N/mm <sup>2</sup>	
with mortar	NPD	N/mm <sup>2</sup>	
<b>Slipperiness:</b>			
declared value	R9		(test method DIN 51130)
declared value	NPD		(test method )
declared value	1) = $\mu > 0,34$ 2) = $\mu > 0,30$	test method B.C.R.A.	1) = dry (leather) 2) = wet (rubber)
<b>Frictional resistance:</b>	NPD		
declared value			
<b>Durability – freeze/thaw cycle:</b>	passed		
<b>Release of dangerous substances:</b>			
release of Cadmium	NPD	mg/dm <sup>2</sup>	
release of Lead	NPD	mg/dm <sup>2</sup>	