



date: 10.11.2011

number:9/B

Conformity attestation

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

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

CHARACTERISTICS

Reaction to fire:	A2 - s1, d0		
Flexural tensile strength:			
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 ²	
Resistance to thermal shocks:	passed		
Bond strength/adhesion:			
with cementitious adhesives (cl.)	NPD	N/mm ²	
with dispersion adhesives (cl.)	NPD	N/mm ²	
with reaction resines adhesive (cl.)	NPD	N/mm ²	
with mortar	NPD	N/mm ²	
Slipperiness:			
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)
Frictional resistance:	NPD		
declared value			
Durability – freeze/thaw cycle:	passed		
Release of dangerous substances:			
release of Cadmium	NPD	mg/dm ²	
release of Lead	NPD	mg/dm ²	