

PLANK COLLECTION

NUOVA RIWAL CERAMICHE S.R.L

Certificate
Plant of Fiorano

QUALITY TEST

DATE :02/12/14
Porcelain Stoneware

SERIES: Plank		SIZE: 20x120	
PHYSICAL PROPERTIES	ISO13006 Group Bla - Requirements	VALUE	
ISO 10545/3 WATER ABSORPTION (%)	average value $\leq 0,5$ single value $\leq 0,6$	0.05 0.06	
ISO 10545/4 MODULUS OF RUPTURE (N/mm ²)	average value ≥ 35 single value ≥ 32	50.11 49.84	
ISO 10545/4 BREAKING STRENGTH (N)	≥ 700 (thickness < 7,5 mm) ≥ 1300 (thickness $\geq 7,5$ mm)	2118	
EN 101 SCRATCH HARDNESS Scale Mohs from 1 to 10	≥ 5	8	
ISO 10545/6 RESISTANCE TO DEEP ABRASION mm ³	175 max	118	
ISO 10545/8 COEFFICIENT OF LINEAR THERMAL EXPANSION from 20°C to 100 °C (10 ⁻⁶ .°C ⁻¹)	TEST METHOD AVAILABLE	6.23	
ISO 10545/14 RESISTANCE TO STAINS CLASS from 1 to 5	≥ 3	Chrome green in light oil	5
		Iodine, alcoholic solution	5
		Olive oil	5
ISO 10545/13 RESISTANCE HOUSEHOLD CHEMICALS AND SWIMMING POOL SALTS CLASS GA - GB - GC	min. GB	1day Amm. Chlor. 100g/l	GA
		1day Hypochl. sodium 20mg/l	GA
ISO 10545/13 RESISTANCE TO ACIDS AND ALKALIS (low concentrations) CLASS GLA - GLB - GLC	Manufacturer to state classification	4days Hydrochloric acid 3%	GLA
		1day Citric acid 100g/l	GLA
		4days Potassium hydrox. 30g/l	GLA
RESISTANCE TO SOILS (internal test) CLASS from 1 to 4 *		1	