

MATERIALS SPECIFICATIONS LINE














GRANITOGRES




PRODUCT CHARACTERISTIC:

Supply of wear-resistant, stain-proof, frost proof, first grade, pressed, **unglazed** porcelain stoneware tiles **with chromatic effects obtained by full body colouring only**, fully vitrified in accordance with standards UNI EN 14411 ISO 13006 – Group B1a UGL – with $\leq 0.1\%$ water absorption.

Obtained by selected mixtures of clay, quartz and feldspars fired at 1250°C , type **GRANITOGRES** by **Casalgrande Padana**, with surface textures ..., formats ..., thickness ..., colour ..., series ..., chosen by the works management for the following places: ...

TECHNICAL FEATURES:

  		STANDARDS	TEST RESULTS	ASTM STANDARDS	TEST RESULTS
	Product classification	UNI EN 14411 ISO 13006	Group B1 UGL fully vitrified		
	Dimensional and surface quality	UNI EN ISO 10545-2	Very low tolerance		
	Water absorption	UNI EN ISO 10545-3	$\leq 0,10\%$	ASTM C-373	$< 0,1\%$ Test made on Arizona Matt
	Flexural strength	UNI EN ISO 10545-4	N/mm^2 50-60	ASTM C-648 Breaking strength	425 lbs Granito 1 625 lbs Marte
	Frost Resistance	All standards	Guaranteed	ASTM C-1026 No sample must show alteration to surface	Resistant
	Resistance to acids and alkalis with the exception of hydrofluoric acid	UNI EN ISO 10545-13	No damage	ASTM C-650 No sample must show alteration to surface	Unaffected
	Wear and abrasion resistance		Adequate for all purposes	ASTM C-501	311 Test made on Arizona Matt
	Linear thermal expansion	UNI EN ISO 10545-8	6×10^{-6}		
	Slip resistance (Matt surface)	DIN 51130	See every series	ASTM C-1028	$\geq 0,6$ in matt surface on Granito 1 $\geq 0,7$ in matt and bocciardato surfaces on Marte
	Light fastness	DIN 51094	No change of colours		

	<p>Stain resistance</p>		<p>Guaranteed</p>		
 	<p>Classement upec Surface naturelle Formats: de 10x20 à 30x30 cm.</p>	<p>CSTB</p>	<p>U₄P₄E₃P₂</p>		