

Quality Department of Ceramiche Gardenia Orchidea S.p.A. certifies that series ORIGINI, dry-pressed ceramic tiles, colored body fine porcelain stoneware, has the following Technical Characteristics:

TECNICAL CHARACTERISTIC		TEST STANDARD UNI EN ISO	PRODUCT STANDARD ISO 13006 EN14411	Ceramiche Gardenia Orchidea S.p.A. AVERAGE VALUES
DIMENSIONAL CHARACTERISTICS				
Lenght and width		10545-2	± 0,6 % (± 2 mm)	± 0,6 % (± 2 mm)
Thickness			± 0,5 % (± 0,5 mm)	± 0,5 % (± 0,5 mm)
Strainghtness of sides			± 0,5 % (± 1,5 mm)	± 0,5 % (± 1,5 mm)
Rectangularity			± 0,5 % (± 2 mm)	± 0,5 % (± 2 mm)
Surface flatness			± 0,5 % (± 2 mm)	± 0,5 % (± 2 mm)
PHYSICAL PROPERTIES				
Water absorption		10545-3	E _b ≤ 0,5 %	E _b ≤ 0,2 %
Breaking strenght (> 7,5 mm)		10545-4	> 1300 N	> 1500 N
Modulus of rupture			> 35 N/mm ²	> 40 N/mm ²
Resistance to deep abrasion		10545-6	< 175 mm ³	< 175 mm ³
Coefficient of linear thermal expansion		10545-8	Test method available	6 x 10 ⁻⁶ K ⁻¹
Thermal shock resistance		10545-9	Test method available	Resists
Moisture expansion		10545-10	Test method available	< 0,1 % (< 0,1 mm/m)
Frost resistance		10545-12	Required	Resists
Slip resistance		-	-	NPD
Fire reaction		EN 13823 EN 9239-1	CPR(UE) n. 305/2011 2000/147/CE; UNI EN 13501-1	Class A1 _{F,I} /A1
CHEMICAL PROPERTIES				
Resistance to household chemicals and swimming pool salts		10545-13	min UB	min UA
Resistance to low concentrations	Acids		Test method available	NPD
	Alkalis			NPD
Resistance to high concentrations	Acids		Test method available	NPD
	Alkalis			NPD
Resistance to stain		10545-14	Test method available	NPD

This product complies with all the requirements that appears in the International Standard ISO 13006:2018 and European Standard EN 14411:2016.



EN 14411:2012

DoP n. GO 001

Spezzano di Fiorano (MO), 01 April 2021

Quality Department