

# bien TEST REPORT

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Name of The Product : 45x45 Cappadocia Grey Rec.  
Production Facility : Floor Tile Factory  
Product Group : Dry-pressed ceramic tiles / Group BIIa/ GL  
Recommended Use : Interior & exterior floor  
General Properties : Mat  
Report Date : 30.04.2023

Test Title	Test Results	Requirements	Desicion
Length & Width (mm)	447,0 x 447,0	446,8 – 447,2	OK
Thickness (mm)	7,0 mm	6,8 – 7,2 mm	OK
Straightness of Sides (%)	± %0,2	± %0,5	OK
Rectangularity (%)	± %0,2	± %0,6	OK
Edge Curvature (%)	± %0,2	± %0,5	OK
Corner Curvature (%)	± %0,2	± %0,5	OK
Center Curvature (%)	± %0,2	± %0,5	OK
Small Colour Differences	First Quality	> %95 perfect	OK
Water Absorption	4,2 %	3,0 % < E ≤ 6,0 %	OK
Breaking Strength (N)	> 1000 N	> 600 N	OK
Modulus of Rupture (N/m m <sup>2</sup> )	> 27 N/mm <sup>2</sup>	> 22 N/mm <sup>2</sup>	OK
Abrasion Resistance (PEI)	IV	As declared	OK
Coeff. Of Thermal Expansion	< 7,0 x 10 <sup>-6</sup>	As declared	OK
Thermal Shock Resistance	Resistant	Required	OK
Crazing Resistance	Resistant	Required	OK
Frost Resistance	Resistant	Required	OK
Coefficient of Friction (μ)	~62,0	As declared	OK
Moisture Expansion (mm/m)	< 0,3	As declared	OK
Impact Resistance	Resistant	As declared	OK
Staining Resistance	Class 5	Min. Class 3	OK
Resistance to low conc. of Acid & Alkalis	B	As declared	OK
Resistance to high conc. of Acid & Alkalis	B	As declared	OK
Household Chemicals	A	Min. B	OK
Release of Cadmium	< 0,07 mg/dm <sup>2</sup>	As declared	OK
Release of Lead	< 0;8 mg/dm <sup>2</sup>	As declared	OK
<b>OVERALL RESULT</b>	All test results are positive according to the norms of ISO 13006 and EN 14411 standards, Annex J		

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