

spectrum

technical information

EN 14411: 2016 Ceramic tiles- Definition, classification, characteristics, assessment and verification of constancy of performance and marking Annex G Requirements for dry-pressed ceramic wall tiles with low water absorption of Group BIa ($E_b \leq 0.5\%$).

properties	properties	prescribed value	value
DEVIATION IN LENGTH & WIDTH	IS 10545- PART 2	± 0.6%	± 0.2%
DEVIATION IN THICKNESS	IS 10545- PART 2	± 5.0%	± 3.0%
STRAIGHTNESS OF SIDES	IS 10545- PART 2	± 0.5%	± 0.1%
RECTANGULARITY	IS 10545- PART 2	± 0.6%	± 0.1%
SURFACE FLATNESS: CENTRE CURVATURE	IS 10545- PART 2	± 0.5%	± 0.15%
SURFACE FLATNESS: EDGE CURVATURE	IS 10545- PART 2	± 0.5%	± 0.15%
SURFACE FLATNESS: WARPAGE	IS 10545- PART 2	± 0.5%	± 0.15%
WATER ABSORPTION (% BY MASS)	IS 10545- PART 3	Average 0.5% Individual max 0.6%	AVERAGE 0.08%
MODULUS OF RUPTURE	IS 10545- PART 4	Average 35, Individual min 32	AVERAGE 36
BREAKING STRENGTH	IS 10545- PART 4	1300 N	2400 N
SCRATCH RESISTANCE / MOHS HARDERNES	IS 10545- PART 6	5 MOHS	6 MOHS
DEEP ABRASION RESISTANCE	IS 10545- PART 6	< 175 MM^3	< 144 MM^3
FROST RESISTANCE	IS 10545- PART 12	REQUIRED	FROST PROOF
RESISTANCE TO CHEMICALS - UNGLAZED TILES			
a. resistance to low concentration acid and alkali - unglazed tiles	IS 10545- PART 13	No Damage	No Damage
b. resistance to high concentration and alkali - unglazed tiles	IS 10545- PART 13	No Damage	No Damage
c. household chemical resistance - unglazed tiles	IS 10545- PART 13	No Damage	No Damage
RESISTANCE TO STAINS- UNGLAZED TILES	IS 10545- PART 13	RESISTANT	RESISTANT

Variation is an inherent property of tiles and stone. Sizes are nominal and may include a joint.

The information provided in this Technical Data Sheet is given in good faith and reflects current knowledge and experience. It is intended as a general guide and may be updated without notice. Users are responsible for ensuring the product's suitability for their specific application and for compliance with all relevant local building codes, Australian Standards, and regulations. This information is offered for guidance purposes only and does not constitute any representation or warranty, express or implied. Any applicable warranties are governed solely by the terms and conditions of sale and relevant statutory requirements under Australian Consumer Law.

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