

MARMASTONE TRADITIONAL RANGE	
TECHNICAL CHARACTERISTICS	
COMPOSITION	95% Marble Chips, 5% Polyester Resin
STANDARD SIZES	FLOOR AND WALL TILES, SQUARE OR RECTANGULAR: 300 x 300 x 9 mm (12" x12"x3/8" nominal) 300 x 600 x 12 mm (12" x24"x 1/2" nominal) 400 x 400 x 12 mm (16"x16" x 1/2" nominal) 600 x 600 x 12 mm (24"x24" x 1/2" nominal) SLABS: 306 x 123 x 2 cm (10' x 4' x 3/4" nominal) 306 x 123 x 3 cm (10' x 4' x 1-1/4" nominal)
FINISHES	Polished, Honed or Sandblasted
WEIGHT	4.5 lbs. per square foot 9 mm thick
DENSITY	2.45 - 2.55 kg/dm ³ - ASTM C-97
RESISTANCE TO IMPACT	R.D. 2234 (tested by dropping a 1 kg. ball onto a 30x30x3cm slab from a height of 90 cm)
SURFACE SCRATCH HARDNESS	3-4 on Mohs scale
FROST RESISTANCE	After 30 test cycles of alternately placing the material in a refrigerator at -18C and in water at 35C, no change was observed
COMPRESSIVE STRENGTH	13100-17400 psi - ASTM C-170
FLEXURAL STRENGTH (modulus of rupture)	1450-2030 psi - ASTM C-99
WATER ABSORPTION	0.20 - 0.40% - ASTM C-97
THERMAL STABILITY	No dimensional change was observed after 6 hours at 80C.
RESISTANCE TO DEEP ABRASION	Index mm ³ 30-40 184-393 - ASTM C241
STATIC CO-EFFICIENT OF FRICTION	Honed 400: 0.63 Polished: 0.63 - ASTM C-1028 (Neolite: dry)
ACCELERATED AGING (XENON ARC EXPOSURE)	No visible change - ASTM D-2565
SURFACE SPREAD OF FLAME	Class A or Class 1 - ASTM E-84
TOXIC EMISSIONS FROM BURNING	In accordance with lab procedure at University of Pittsburgh
CO-EFFICIENT OF LINEAR THERMAL EXPANSION	8-15 x 10 ⁻⁶ M/MC - ASTM D-4535

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