

Max Manufacturing, LLC

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Technical Bulletin

Max ® Slate has been tested to the following standards and with the following results:

Parameter	Standard	Lab	Test Results
Moisture Absorption	ASTM C-272	MSU	No appreciable weight gain
Freeze / Thaw Cycling	ASTM C-666	MSU	No signs of dimensional change after 300 cycles
Water Permeation	ASTM E-96-95	MSU	Shown to be impermeable an no signs of splitting or cracking
Accelerated Ultra Violet Exposure	ASTM G-154	Kibbe Chemical	Virtually no surface fade exhibited after 9,500 hours
Fire Rating	ASTM E-108 UL - 790	Intertek	Class A rating with 30# felt with 1/2" minimum plywood deck
Hail Impact	UL – 2218	Intertek	Class 4 rating – no sign of indentation nor damage
Wind Driven Rain	TAS 100-95 Dade County	PRI Asphalt	110mph – neither water infiltration nor roof tile blow offs.
Nail Pull Through	ASTM D-3161-03	MSU	Requires force greater than 350 psi
Nail Tear Strength	ASTM D-3161-03	MSU	Requires force greater than 300 psi
Heat Cycling	ASTM D-5849-95	MSU	No signs of cracking, spalling, curling or deformation