TECHNICAL INFORMATION - ASTM

(Natural Thin Stone Veneer & Corners)

Stone: *PACIFIC PEAK , ELDORADO, BOSTON, OMAHA*
Stone: Quartzite

Technical Information		**Value**	**ASTM Standards**
Modulus of rupture, N/mm 2(square)		46	C-120
Water absorption, % by weight		0.3	C-121
Acid resistance (Whether resistance), Depth of softening mm		0.05	C-217
Abrasion (Resistance to wear)	Average wear, mm	2.6	IS 1237 Guidelines
	Max. wear on individual Specimen, mm	2.8	

Stone: *LONDON FOG; OLIVE BROWN; CANYON BROWN, OLIVE GREEN, MARSALA*
Stone: Sandstone

Technical Information			**Value**	**ASTM Standards**
Water absorption, % by weight			0.53	C-97
Density (Bulk specific Gravity)			2.60	C-97
Modulus of rupture, N/mm 2(square)	Dry	Parallel to rift	42	C-99 Guidelines
		Perpendicular to rift	40	C-99
	Wet	Parallel to rift	34	C-99 Guidelines
		Perpendicular to rift	39	C-99
Compressive Strength N/mm 2 (square)	Dry	Parallel to rift	156	C-170
		Perpendicular to rift	185	
	Wet	Parallel to rift	134	
		Perpendicular to rift	153	
Abrasion (resistance to wear)		Average wear, mm	0.9	IS 1237 Guidelines
		Max. wear on individual specimen, mm	1.0	

Stone: *MANCHESTER, MESA*
Stone: Schist Stone (class II sandstone / class III quartzite stone)

Technical Information			**Value**	**ASTM Standards**
Water absorption, % by weight			1-1.2%	ASTM C-97
Density (Bulk specific Gravity)			2,243 to 2,563 kg/m³	ASTM C-97
Modulus of rupture, N/mm 2(square)	Dry	Parallel to rift	2.4 to 13.8 MPa	ASTM C99
Compressive Strength N/mm 2 (square)	Dry	Parallel to rift	95 to 365 N/mm² (MPa)	ASTM C170
Hardness & Abrasion (resistance to wear)		(for pedestrian traffic)	Ha 8 / 6-7 on Mohs scale	ASTM C241 / C1353

Stone: *BLACKSMITH*
Stone: Limestone

Technical Information			**Value**	**ASTM Standards**
Water absorption, % by weight			.26	C-97
Density (Bulk specific Gravity)			2.67	C-97
Modulus of rupture, N/mm 2(square)	Dry	Parallel to rift	39	C-99 Guidelines
		Perpendicular to rift	30	C-99
	Wet	Parallel to rift	28	C-99 Guidelines
		Perpendicular to rift	32	C-99
Compressive Strength N/mm 2 (square)	Dry	Parallel to rift	172	C-170
		Perpendicular to rift	92	
	Wet	Parallel to rift	126	
		Perpendicular to rift	70	
Abrasion (resistance to wear)		Average wear, mm	2.2	IS 1237 Guidelines
		Max. wear on individual specimen, mm	2.5	

Stone: *IVORY; ASPEN*
Stone: Sandstone

Technical Information			**Value**	**ASTM Standards**
Water absorption, % by weight			2.17	C-97
Density (Bulk specific Gravity)			2.41	C-97
Modulus of rupture, N/mm 2(square)	Dry	Parallel to rift	22	C-99 Guidelines
		Perpendicular to rift	23	C-99
	Wet	Parallel to rift	16	C-99 Guidelines
		Perpendicular to rift	18	C-99
Compressive Strength N/mm 2 (square)	Dry	Parallel to rift	121	C-170
		Perpendicular to rift	125	
	Wet	Parallel to rift	106	
		Perpendicular to rift	100	
Abrasion (resistance to wear)		Average wear, mm	2.8	IS 1237 Guidelines
		Max. wear on individual specimen, mm	3.0	

Stone: *STORMCLOUD; IRON ORE*
Stone: Sandstone

Technical Information			**Value**	**ASTM Standards**
Water absorption, % by weight			0.45	C-97
Density (Bulk specific Gravity)			2.65	C-97
Modulus of rupture, N/mm 2(square)	Dry	Parallel to rift	40	C-99 Guidelines
		Perpendicular to rift	38	C-99
	Wet	Parallel to rift	32	C-99 Guidelines
		Perpendicular to rift	37	C-99
Compressive Strength N/mm 2 (square)	Dry	Parallel to rift	160	C-170
		Perpendicular to rift	190	
	Wet	Parallel to rift	135	
		Perpendicular to rift	155	
Abrasion (resistance to wear)		Average wear, mm	0.8	IS 1237 Guidelines
		Max. wear on individual specimen, mm	0.9	