










# South Bay Quartzite®

A quartzitic sandstone with an advancing and receding surface that resembles a windswept and sandy beach. Visually smooth, yet heavily textured with a blend of tan, antique white, ice blue, amber, and brown. South Bay Quartzite® will enhance any home - from cool beach cottages to cozy cabins deep in the woods.



ASTM DATA: Average results for ASTM tests C-97, C-99 and C-170.

Water Absorption %	C-97 Density (lbs./cu. ft.)	Specific Gravity	C-99		C-170	
			Modulus of Rupture Perpendicular	Modulus of Rupture Parallel	Compressive Strength Perpendicular	Compressive Strength Parallel
0.33	152.7	2.66	1,058 psi	855 psi	14,350 psi	13,340 psi

Description	Size	Facing Area	Coverage (average)	Packaged Weight
Mosaic Pattern-Random Material	Thickness 2 1/2"± to 4 1/2"±	1/4 sq. ft. to 3 sq. ft.	40 sq. ft. per ton	3,200-3,700 lbs.±
Roughly Squared/Roughly Rectangular	Thickness 3"± to 5"±	1/4 sq. ft. to 3 sq. ft.	35-40 sq. ft. per ton	3,900-4,400 lbs.±
Ashlar	Thickness 3"± to 5"± Height 3"± to 12"±	1/4 sq. ft. to 2 sq. ft.	35-40 sq. ft. per ton	3,500-4,000 lbs.±
European Ashlar	Thickness 3"± to 6"±; Height 3"± to 8"±; Length 4"± to 12"±		30-35 sq. ft. per ton	2,700-3,300 lbs.± 
Ledge Stone	Thickness 3"± to 5"±; Height 3"± to 5"±; Length 4"± to 12"± (greater percentage 4"-7" range)		35 sq. ft. per ton	3,000 lbs.± 
Thin Ledge Stone	Thickness 2"± to 6"± Height 1"± to 3"±	up to 1/4 sq. ft.	35 sq. ft. per ton	1,500 lbs.± 
Northface Ledge Stone™	Thickness 2"± to 5"±; Height 2"± to 6"± (most 3"-4"); Length 4"± to 18"± (greater percentage in the 8"-14" range)		35-40 sq. ft. per ton	2,400-2,900 lbs.± 
Hand Select Thin Veneer	Thickness 5/8"± to 1 1/4"±	1/4 sq. ft. to 3 sq. ft. plus	160 sq. ft. per ton	1,500 lbs. or 2,500 lbs. ± 
<b>Irregular Flagging Stone:</b> Irregular shape and thickness.	Thickness 1"± to 2.5"±	3/4 sq. ft. to 4 sq. ft. plus	85 sq. ft. per ton	3,800-4,400 lbs.±*  3,000-3,300 lbs.±
<b>Heavy Flagging Stone:</b>	Thickness 3"± to 5"±	1 sq. ft. plus	35-40 sq. ft. per ton	3,000-3,300 lbs.±
<b>Oversize Flagging Stone:</b>	Thickness 1"± to 5"±	4 sq. ft. plus	35-40 sq. ft. per ton	3,500 lbs.±
Paving Stone	Thickness 3"± to 5"±	1/4 sq. ft. to 3 sq. ft.	35-40 sq. ft. per ton	3,200-4,400 lbs.±
Snapped Nominal Pavers	Thickness 3"± to 5"±	12"x12" (1" ± tolerance)	35-40 sq ft per ton	2,900-3,300 lbs.±
		12"x24" (1" ± tolerance)	35-40 sq ft per ton	2,400-2,700 lbs ±
<b>Wall Stone:</b> Natural face and broken-edge quarry rubble.	Thickness 3"± to 12"±	1/4 sq. ft. to 3 sq. ft. plus	see information below	3,400-3,700 lbs.±
Uniform Rise Wall Stone	Thickness 3"± to 5"±	1/4 sq. ft. to 3/4 sq. ft. ±	see information below	2,600-3,300 lbs.±
Thin Wall Stone	Thickness 1"± to 3"±	1/4 sq. ft. to 1 sq. ft. ±	see information below	3,000-3,300 lbs.± 
Cottage Wall Stone	Thickness 3"± to 7"±	1/4 sq. ft. to 2 sq. ft. plus	see information below	2,500-3,000 lbs.±
Step Slab Material	Thickness 4"± to 10"±	Random lengths and widths available		3,000-4,000 lbs.±
Cap Stones (special order)	Thickness 5"± to 8"±	14"+ deep x 24"+ in length		Pallet weights vary
Landscape Boulders	Clusters of 50 lbs. to 300 lbs., or 500 lbs. +			1 1/2 to 2 + tons 
Garden Bed Edging	Thickness 3"± to 6"±; Height 3"± to 8"±; Length 4"± to 12"±			2,700-3,300 lbs.± 

## Wall Stone Coverage Calculation

Natural building and landscaping stone is typically sold by the ton.

To calculate the amount of stone needed for constructing a stone wall, use this calculation guideline.

Determine the dimensions of the wall in inches and multiply **length x width x height = cubic inches** of wall; then **divide total by 1728 (cu. in./cu. ft.) = cubic feet** of wall.

**Multiply cubic feet by 140 lbs.** (average packaged weight\* of Champlain Stone per cubic foot)

**= pounds of stone; divide pounds of stone by 2,000** to give you the estimated tons of stone needed.

 - product ships in 4-sided crate (all others ship via low pallets)

One trailer load = 12-15 low pallets

\*Vertically stacked in crate.

152.7 pounds per cubic foot  
2.06 tons per cubic yard

Important Note: This calculation is provided as a guideline only. Actual coverage will vary based on installation style and job conditions.

\* An average weight of 140 lbs. allows for airspace in packaging and varying joint widths, which will reduce the overall density of the cubic weight of the wall. Actual cubic weights for our stone products are noted at the bottom of each specification sheet.