

# 9/16" STONE

## INFORMATION



### SELECTION

9/16" x 9/16" x 3/8"

39 Colors

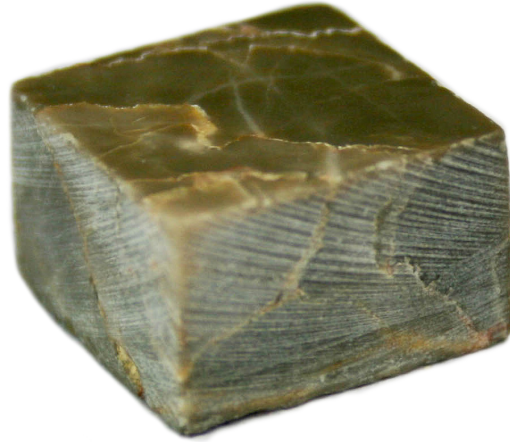
All colors available in Polished, Tumbled & Honed finishes

### APPLICATIONS:

Residential/Commercial

Indoor/Outdoor

Wall/Flooring



Artaic Name		1/2" Polished/Honed Stone	1/2" Tumbled Stone
Artaic inventory ID		A-.5625-ST-P&H200+	A-.5625-ST-T200+

ASTM	NOTES: All values vary across different types of stone. All Artaic stone passes ASTM standards for commercial floor use.				1/2" Polished/Honed Stone	1/2" Tumbled Stone
ASTM C-97: Density	Min lb/ft <sup>3</sup> (g/cm <sup>3</sup> ) = 162 (2.59) for structural use.				162.3 - 193.5 (2.60 - 3.095)	162.3 - 193.5 (2.60 - 3.095)
ASTM C-97: Water Absorption	Impervious ≤ 0.5%	Vitreous 0.5-3%	Semi-Vitreous 3-7%	Non-Vitreous 7-20%	<= 0.3% - Impervious	<= 0.3% - Impervious
ASTM C-99: Modules of Rapture	Min psi (MPa) = 1000 (6.89) for structural use.				2235.12 - 4136.43 (15.4-28.5)	2235.12 - 4136.43 (15.4-28.5)
ASTM C170: Compression Strength	Min psi (MPa) = 7500 (52) for structural use.				10,570 - 33,011 (72.9-227.6)	10,570 - 33,011 (72.9-227.6)
ASTM C-241: Abrasion Resistance	Min Hardness = 10 for structural use.				18 - 25	18 - 25
ASTM C-424: Craze Resistance	One cycle pass-or-fail test				Pass	Pass
ASTM C-880: Flexural Strength	Min psi (MPa) = 1000 (6.89) for structural use.				1117.56 - 5413.64 (7.7 - 37.3)	1117.56 - 5413.64 (7.7 - 37.3)
ASTM C-499: Facial & Thickness Dimensions	Nominal Size	Value	0.61" x 0.61"	0.60" x 0.60"		
	Caliber Range	Value	Range: 0.027"	Range: 0.027"		
	Thickness	Value	0.375"	0.315"		
Artaic Production SQFT: Dimensions	Nominal Size - Inches	Value	11.96875" x 11.96875"	11.9375" x 11.9375"		
Artaic Production SQFT: Dimensions	Tile Count	Value	18 x 18	18 x 18		
Artaic Production SQFT: Tiles / SQFT	Tile Count	Value	324	324		
Artaic Production SQFT: Weight (no grout)	LBS	Value	4.05	3.85		
Artaic Production SQFT: Weight (with grout)	LBS	Value	4.55	4.33		
Artaic Production SQFT: Grout Width	Nominal Size - Inches	Value	0.0625	0.063		
ASTM C-1028: Static Coefficient of Friction	C.O.F.	Resulting Classification		Wet: 61 - Satisfactory	Wet: 61 - Satisfactory	
	0 ≤ to ≤ 0.39	Hazardous - Excessive: No floor use		Dry: 81 - Excellent	Dry: 81 - Excellent	
	0.40 ≤ to ≤ 0.59	Satisfactory: Low to regular traffic residential use				
	0.60 ≤ to ≤ 0.79	Satisfactory: Light traffic commercial use				
	≥ 0.80	Excellent: All uses				
ASTM C-1378: Staining Resistance	Resistance Class	Max. # of samples that retain a stain		Pass - Class A	Pass - Class A	
	A	0				
	B	1				
	C	2				
	D	3				
	E	4 or more				

SEALANTS	NOTES: Honed and tumbled stone needs to be sealed to prevent staining. Sealants have a negligible impact on metrics above.
Scenario 1 - Normal Sealing	For walls, backsplashes, etc., use a simple "Grout & Tile Sealer" solution available from several brands at many hardware stores
Scenario 2 - Color enhanced Normal Sealing	For walls, backsplashes, etc., where a slight enhancement/darkening of the stone's natural color is desired, use a "Stone Enhancer & Sealer" available from several brands at many hardware stores.
Scenario 3 - Sealing for Floor Use	For high traffic floor applications, use a "Penetrating Stone, Grout & Tile Sealer" available from several brands at many hardware stores.