

STONE



1" STONE

INFORMATION



SELECTION

1" x 1" x 3/8"

45 Colors

All colors available in Polished, Tumbled & Honed (not shown) finishes

APPLICATIONS:

Residential/Commercial

Indoor/Outdoor

Wall/Flooring



Artaic Name Artaic inventory ID					1" Polished/Honed Stone A-1-ST-P&H200+	1" Tumbled Stone A-1-ST-T200+
ASTM						
NOTES: All values vary across different types of stone. All Artaic stone passes ASTM standards for commercial floor use.						
ASTM C-97: Density	Min lb/ft ³ (g/cm ³) = 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: Cracking 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		0.94" x 0.94"	0.9375" x 0.9375"	
	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	12 x 12	12 x 12	
Artaic Production SQFT: Tiles / SQFT	Tile Count		Value	144	144	
Artaic Production SQFT: Weight (no grout)	LBS		Value	4.5	4.25	
Artaic Production SQFT: Weight (with grout)	LBS		Value	5	4.75	
Artaic Production SQFT: Grout Width	Nominal Size - Inches		Value	0.0625	0.063	
ASTM C-1028: Static Coefficient of Friction	C.O.F. 0 ≤ to ≤ 0.39 0.40 ≤ to ≤ 0.59 0.60 ≤ to ≤ 0.79 ≥ 0.80		Resulting Classification Hazardous - Excessive: No floor use Satisfactory: Low to regular traffic residential use Satisfactory: Light traffic commercial use Excellent: All uses		Wet: 61 - Satisfactory Dry: 81 - Excellent	Wet: 61 - Satisfactory Dry: 81 - Excellent
ASTM C-1378: Staining Resistance	Resistance Class A B C D E		Max. # of samples that retain a stain 0 1 2 3 4 or more		Pass - Class A	Pass - Class A

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.

9/16" STONE

INFORMATION



SELECTION

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

45 Colors

All colors available in Polished, Tumbled & Honed (not shown) 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 ³ (g/cm ³) = 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. 0 ≤ to ≤ 0.39 0.40 ≤ to ≤ 0.59 0.60 ≤ to ≤ 0.79 ≥ 0.80	Resulting Classification Hazardous - Excessive: No floor use Satisfactory: Low to regular traffic residential use Satisfactory: Light traffic commercial use Excellent: All uses		Wet: 61 - Satisfactory Dry: 81 - Excellent	Wet: 61 - Satisfactory Dry: 81 - Excellent	
ASTM C-1378: Staining Resistance	Resistance Class A B C D E	Max. # of samples that retain a stain 0 1 2 3 4 or more		Pass - Class A	Pass - Class A	

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.

1" & 9/16" STONE

COLOR LINE

ARTAIC
INNOVATIVE MOSAIC



200



201



202



203



204



205



206



207



208



209



230



231



232



233



234



235



290



291



292



293



294



350



351



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