

SINTERED GLASS



1" SINTERED GLASS

INFORMATION



SELECTION

1" x 1" x 1/8"

43 Colors

All colors available in Regular, Matte & Opalescent finishes

AVAILABLE AS ILLUMINATED MOSAIC
MADE FROM 100% RECYCLED GLASS

APPLICATIONS:

Residential/Commercial

Indoor/Outdoor

Wall/Flooring



Artaic Name	1" Sintered Glass			
Artaic Inventory ID	A-1-SG-400+			

ASTM	Impervious ≤ 0.5%	Vitreous 3-0.5%	Semi-Vitreous 3-7%	Non-Vitreous 7-20%	0.003% - Impervious
ASTM C-373: Water Absorption	One cycle pass-or-fail test				Pass
ASTM C-424: Cracking Resistance	50 psi (Minimum)				61 psi Average
ASTM C-482: Bond Strength					
ASTM C-499: Facial & Thickness Dimensions	Width	Average		0.960"	
	Width	Max		0.980"	
	Width	Min		0.940"	
	Width	Variation		0.040"	
	Thickness	Average		0.168"	
Standard Square Foot - Dimensions	Nominal Size	Inches		12.185"	
Standard Square Foot - Tile Count - Rows x Column	Count	Value		12 x 12	
Standard Square Foot - Total Tile Count	Count	Value		144	
Standard Square Foot - Weight (no grout)	LBS	Value		1.55	
Standard Square Foot - Weight (with grout)	LBS	Value		1.75	
Standard Square Foot - Grout Width	Width	Average		0.055"	
Standard Square Foot - Grout Width	Width	Min		0.035"	
Standard Square Foot - Grout Width	Width	Max		0.075"	
Integrated 1/2' & 1" Square Foot - Dimensions	Nominal Size	Inches		12.185"	
Integrated 1/2' & 1" Square Foot - Tile Count - Rows x Column	Count	Value		12 x 12	
Integrated 1/2' & 1" Square Foot - Total Tile Count	Count	Value		144	
Integrated 1/2' & 1" Square Foot - Weight (no grout)	LBS	Value		1.55	
Integrated 1/2' & 1" Square Foot - Weight (with grout)	LBS	Value		1.75	
Integrated 1/2' & 1" Square Foot - Grout Width	Width	Average		0.055"	
Integrated 1/2' & 1" Square Foot - Grout Width	Width	Min		0.035"	
Integrated 1/2' & 1" Square Foot - Grout Width	Width	Max		0.075"	
ASTM C-648: Breaking Strength	Glazed or unglazed mosaic, quarry, or paver tiles (Minimum) 250 pounds		Glazed wall tile (Minimum) 90 pounds		413 lbs Average
ASTM C-650: Chemical Resistance	Resistance Class		Max. # of affected samples		A
	A		0		
	B		1		
	C		2		
	D		3		
	E		4 or more		
ASTM C-1026: Freeze-Thaw	Number of observed defects		Number of cycles		Pass - No Visible Defects
			5		
			10		
			15		
ASTM C-1027: Surface Abrasion	Class				Class III
	0 Not recommended for floors				
	I Light residential				
	II Residential				
	III Heavy residential/Light commercial				
	IV Commercial				
	V Heavy commercial				
ASTM C-1028: Static Coefficient of Friction	C.O.F.		Resulting Classification		Glossy & Opalescent:
	0.40 ≤ to ≤ 0.59		Hazardous - Excessive: No floor use		Dry: 0.79 - 0.81
	0.60 ≤ to ≤ 0.79		Satisfactory: Low to regular traffic residential use		Wet: 0.47 - 0.49
	≥ 0.80		Satisfactory: Light traffic commercial use		Anti-Slip:
			Excellent: All uses		Dry: 0.79 - 0.83
					Wet: 0.73
ASTM C-1378: Staining Resistance	Resistance Class		Max. # of samples that retain a stain		Pass - Class A
	A		0		
	B		1		
	C		2		
	D		3		
	E		4 or more		
DIN 51094: Color Resistance to Fading					Resistant

1/2" SINTERED GLASS

INFORMATION



SELECTION

1/2" x 1/2" x 1/8"

43 Colors

All colors available in Regular, Matte & Opalescent finishes

AVAILABLE AS ILLUMINATED MOSAIC
MADE FROM 100% RECYCLED GLASS

APPLICATIONS:

Residential/Commercial

Indoor/Outdoor

Wall/Flooring



Artaic Name					1/2" Sintered Glass
Artaic Inventory ID					A-5-SG-400+

ASTM	Impervious ≤ 0.5%	Vitreous 3-0.5%	Semi-Vitreous 3-7%	Non-Vitreous 7-20%	0.003% - Impervious
ASTM C-373: Water Absorption					Pass
ASTM C-424: Cracking Resistance	One cycle pass-or-fail test				61 psi Average
ASTM C-482: Bond Strength	50 psi (Minimum)				
ASTM C-499: Facial & Thickness Dimensions	Width	Average		0.450"	
	Width	Max		0.475"	
	Width	Min		0.435"	
	Width	Variation		0.040"	
	Thickness	Average		0.165"	
Standard Square Foot - Dimensions	Nominal Size		Inches	12.125"	
Standard Square Foot - Tile Count - Rows x Column	Count		Value	24 x 24	
Standard Square Foot - Total Tile Count	Count		Value	484	
Standard Square Foot - Weight (no grout)	LBS		Value	1.55	
Standard Square Foot - Weight (with grout)	LBS		Value	1.75	
Standard Square Foot - Grout Width	Width		Average	0.055"	
Standard Square Foot - Grout Width	Width		Min	0.030"	
Standard Square Foot - Grout Width	Width		Max	0.070"	
Integrated 1/2" & 1" Square Foot - Dimensions	Nominal Size		Inches	12.185"	
Integrated 1/2" & 1" Square Foot - Tile Count - Rows x Column	Count		Value	24 x 24	
Integrated 1/2" & 1" Square Foot - Total Tile Count	Count		Value	576	
Integrated 1/2" & 1" Square Foot - Weight (no grout)	LBS		Value	1.55	
Integrated 1/2" & 1" Square Foot - Weight (with grout)	LBS		Value	1.75	
Integrated 1/2" & 1" Square Foot - Grout Width	Width		Average	0.058"	
Integrated 1/2" & 1" Square Foot - Grout Width	Width		Min	0.033"	
Integrated 1/2" & 1" Square Foot - Grout Width	Width		Max	0.073"	
ASTM C-648: Breaking Strength	Glazed or unglazed mosaic, quarry, or paver tiles (Minimum)		Glazed wall tile (Minimum)	413 lbs Average	
	250 pounds		90 pounds		
ASTM C-650: Chemical Resistance	Resistance Class		Max. # of affected samples	A	
	A		0		
	B		1		
	C		2		
	D		3		
	E		4 or more		
ASTM C-1026: Freeze-Thaw	Number of observed defects		Number of cycles	Pass - No Visible Defects	
			5		
			10		
			15		
ASTM C-1027: Surface Abrasion	Class			Class III	
	0 Not recommended for floors				
	I Light residential				
	II Residential				
	III Heavy residential/Light commercial				
	IV Commercial				
	V Heavy commercial				
ASTM C-1028: Static Coefficient of Friction	C.O.F.		Resulting Classification	Glossy & Opalescent:	
	0.5 ≤ to ≤ 0.39		Hazardous - Excessive: No floor use	Dry: 0.79 - 0.81	
	0.40 ≤ to ≤ 0.59		Satisfactory: Low to regular traffic residential use	Wet: 0.47 - 0.49	
	0.60 ≤ to ≤ 0.79		Satisfactory: Light traffic commercial use	Anti-Slip:	
	≥ 0.80		Excellent: All uses	Dry: 0.79 - 0.83	
				Wet: 0.73	
ASTM C-1378: Staining Resistance	Resistance Class		Max. # of samples that retain a stain	Pass - Class A	
	A		0		
	B		1		
	C		2		
	D		3		
	E		4 or more		
DIN 51094: Color Resistance to Fading					Resistant

1" & 1/2" SINTERED GLASS

COLOR LINE

ARTAIC
INNOVATIVE MOSAIC

G
F O
Finish Key

