

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.

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| 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. |