

GLASSOS® CRYSTAL WHITE Architectural Specifications 2020

Product Description - GLASSOS® Crystal White is pure white crystallized glass. This unique building material is made using a very sophisticated technique of crystallizing molten glass and select minerals then fusing the crystals together using only intense high temperature. No resins or epoxies are used in the process. The result is GLASSOS® sintered crystallized glass, a versatile building material that is nearly identical to pure white Thassos marble, yet unlike Thassos, it is as hard as granite and never requires sealing. Its superior qualities include scratch resistance, resistance to acid and alkali. It is also bacteria resistance, free of radon gas has high reflectivity, extreme hardness, and zero porosity. Under normal use the surface will not stain or scratch. GLASSOS® Crystal White is stocked in a polished and Satin Texture™ finish.

Sizes and Availability - Slabs are produced in nominal dimensions of 56” x 120”. Thicknesses include 1-1/4”, 3/4”. Tiles are produced in 12x24, 24x24 all in nominal 1/2” thickness. Cut to size tolerances on dimension are +/- 1/16” on slab and +/- 1/32 on tile. The back of the slabs may have some irregularities from the manufacturing process. Calibration may be required to get a uniform thickness on the edge.

Applications – Walls, floors, table tops, counter tops, vanity tops, shower jambs, door jambs, sills, niches, saddles, pool tile and exterior panels and surfaces.

Suggested Minimum Joint Width and allowances – Interior horizontal countertop seams up to 25” deep require a joint space of 1/32” min, 1/16” -1/8” joint when greater than 25” deep. Interior vertical panels up to 25” minimum require a joint space of 1/16” – 1/8”, 1/8” -1/4” when greater than 25” deep. Suggested minimum exterior joint width 7/16”. There must be a minimum 4” set back for all sink and cook top cut outs. All inside corners including sink cut outs, cook top cut outs, outlets, bump outs and notches must have a minimum ½” inside radius corner. Seams at cooktop and niche cut outs are recommended when ½” radius and minimum 4” set back are unavoidable.

Satin Texture – GLASSOS® Crystal is stocked in a polished finish and available in GLASSOS® Satin Texture. Satin Texture is a matte finish that removes the polish and increases the coefficient of friction on GLASSOS® products for non slip requirements or decorative accents. The treatment is available on tile, cut to size projects and full size slabs.

Installation – For seams and mitered laminations on GLASSOS® Crystal White use matching acrylic epoxy cartridges from any professional product suppliers. Counter tops and other interior horizontal surfaces may be installed using Silicone® adhesive. Follow the National Stone Institute guidelines for natural stone counter top installation and handling. Vertical surfaces may be installed using White Portland Cement such as Laticrete® Platinum or Latapoxy® for exterior and wet areas.

Care and Maintenance – No sealer required for GLASSOS Crystal White polished or satin finishes. Will never yellow or stain. Clean with a soft cloth or paper towel using glass cleaner . **Don't use abrasive household surface cleaners or abrasive sponges. Avoid placing heavy or abrasive objects on the surface without adequate protection. Always use a cutting board and trivet ..**

| <u>Test</u> | <u>Results</u> | <u>Test Method</u> |
|--------------------------------|-----------------------------|-----------------------|
| MOHS Hardness | 7 | MOHS scratch hardness |
| Water Absorption/ Bulk Gravity | 0.01% / 163.5 lb ft | ASTM C97 |
| Resistance to Chemicals | Class E rating | ASTM C650 |
| Abrasion Resistance | Class 2 rating | ASTM C1027 |
| Crazing Resistance | No evidence of Crazing | ASTM C424 |
| Static Coefficient of Friction | Wet .50, Dry .77 | ASTM C1028 |
| Stain Resistance | Class A | ASTM C1378 |
| Freeze / Thaw | No Visual Deterioration | ASTM C666 |
| Linear Thermal Expansion | 5.5113x10 -6 | ASTM C372 |
| Flexural Strength | Wet 5324 psi , Dry 6006 psi | ASTM C880 |

GLASSOS® is a registered trademark of:



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