CORINTHIAN
CAST STONE, INC

HISTORICALLY ACCURATE | CRAFTED FOR BEAUTY | BUILT TO LAST

Corinthian Cast Stone Inc. Technical Bulletin
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CAST STONE MAINTENANCE PROCEDURES

Cast Stone elements can be easily maintained to preserve the attractive appearance and extend the life of the cast stone. When using these procedures, please follow the product manufacturer's instructions regarding the use of any equipment or cleaning materials described here.

DURING CONSTRUCTION:

Cast Stone Elements should be protected from staining. Every effort should be taken to protect the cast stone elements from mortar droppings, sealants, epoxies, paints and other jobsite materials. Take care to protect low water tables and bands with masonry above from mortar droppings during construction.

Stair treads and pavers: After installation cast stone stair treads should be protected by covering with a non-staining protective covering, during the rest of construction to prevent damage, stains or chips from trades persons and equipment.

Preventative Protection is the best solution for a clean finished project.

MAINTENANCE PROCEDURES:

Jobsite Dirt and Mortar

Most dirt can be removed by scrubbing with a mild detergent and water. Mortar stains require removing excess mortar, care taken not to scar the stone followed by the brushing of a solution with a commercial cleaner designed specifically to remove mortar. Do not use steel or other metal brushes. Use nylon or plastic brushes only.

Consult the adjacent materials manufacturer (brick, windows, glazed tile, other masonry, etc.) prior to applying cleaning solutions to trim items.

Paint, Hydraulic Fluid, Oil, Rust, Grease, Asphalt / Tar

The cause of a stain needs to be established in order to discern the appropriate cleaning solution.

Once the stain is identified the appropriare cleaning solution can be used.

To spot clean stains from cast stone products follow the cleaning solution manufacturer's directions.

More difficult and deep set stains may require the use of a poultice (a blend of fine clay and cleaning solution) that gets trowel applied to the surface. It must stay on for 4-48 hours, repeat applications may be required. The "pulling" action of the poultice will draw the stain into the poultice paste for easy removal.

Sealers / Waxes / Coatings

You may decide to seal the cast stone units, and there are formulations specific for water, oil, grease and graffiti. Choose a product based on the intended use and desired result. Please follow the manufacturer's instructions for surface preparation, application and periodic maintenance.

Chips / Cracks and Crazing

- **Chips:** During construction, cast stone elements may become chipped. Any chip visible from a distance of 20' or greater should be repaired. Typically chips less than 1/4" are left alone. Chips can be repaired easilt with patch kits from Corinthian Cast Stone. Please follow directions included with patch kits.
- **Cracks:** Most cracks can be repaired so long as the units are reinforced. The cause of the restrained movement needs to be identified and resolved, the crack should be epoxy-injected and then grouted.
- **Crazing:** Also known as map cracking, while unsightly, crazing has no structural or durability significance and does not by itself constitute a cause for rejection, according to ASTM C 1364 Standard Specification for Architectural Cast Stone.

  Since crazing is only on the surface, the visual attributes can usually be removed by washing the affected areas with a mild acid solution. Severe cases of crazing may require application of a siloxane sealer, following etching, to penetrate the cracks and to keep dirt from settling into the surface.

CORINTHIAN CAST STONE SUPPORT

Corinthian Cast Stone Inc. adheres to the highest quality standards, including ASTM C1364 for cast stone manufacturing and ASTM C1194 and C1195 for strength and absorption testing. Our team provides technical support tailored to meet IBC Chapter 21 Masonry requirements and ACI 530.1 guidelines.

For additional assistance with product specifications, installation practices, or maintenance strategies, contact our technical services department at **631-920-2340 or info@corinthian-usa.com.**

This Technical Bulletin addresses generally accepted practices for architectural cast stone and is intended as a guide only. Specific project requirements should be determined by design professionals based on actual conditions and intended use.
For further information, visit www.corinthian-usa.com.

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