

5511

mCrete™
Corpac™



Ultra-lightweight, ultra-high build epoxy packing grout

MCOR™ 5511 (mCrete™ Corpac™) is an ultra-lightweight structural-grade epoxy packing grout. It is a synthesized epoxy-acrylic copolymer microceramic designed to achieve high physical properties while remaining ultra-lightweight.

The material solves application challenges requiring deep structural fill/patching permanency with extreme vertical buildup and/or high build overhead hanging and sag resistance. It delivers unprecedented hanging ability (circa 20–25 cm or 8-10 inches overhead per pass), and cures with high compressive strength while generating incredible substrate breaking bond strength to masonry and concrete.

mCrete™ Corpac™ will:

- Simplify concrete repairs without the need for anchors or other mechanical assistance
- Allow for lasting, permanent repairs of deep cavities whereas rigid and heavy alternatives would prove difficult, dislodge, or fail
- Provide tenacious adhesion concrete and masonry
- Allow you to address overhead and vertical repairs up to 20-25 cm (8-10 inches)
- Provide a sealed epoxy repair, protecting from corrosion, water migration, and chemicals

MCOR™ 5511 | mCrete™ Corpac™ has truly dynamic capabilities, providing long-term confidence. It is a strong, yet featherweight kinetic polymer grout which provides the user a shapeable product that can be trowel-applied or hand-packed without dragging or sticking to the applicator. The material can be molded into any shape or formed in areas requiring a sealed, ultra-lightweight, high-strength solution. With near-zero permeability, it provides a sealed barrier against corrosion while preventing oxidation in applied areas when encapsulating rebar. Once cured, it can also be dressed, tapped, and further refined by tooling. The MCOR™ 5511 addresses the challenges of deep spall repairs, including restoration that requires extreme overhead and vertical hanging capability.



3000 N 29 CT, Hollywood, FL 33020
mcor.net | T: 888.961.MCOR (6267) F: 954.961.2395



mCrete™ Corpac™ applications include:

- Repair, restoration, and rebuilding of deteriorated concrete and masonry.
- High build application of deeply spalled concrete (especially vertical/overhead).
- Refurbishment of balconies and railings.
- Epoxy encapsulation of exposed rebar.
- Decorative molding and cosmetic repairs.
- Protection against water and chemical infiltration.



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mCrete™ Corpac™ is:

ULTRA-HIGH BUILD

mCrete™ Corpac™ is formulated with a specific grouping of ultra-lightweight performance materials and advanced polymers. The material is the ultimate structural-grade void filler. Once mixed, the shapeable material can be packed into deep crevasses or spalls. The 5511 exhibits incredible bond strength and hanging capabilities up to 20 – 25 cm (8 - 10 inches) without sag or slump. This can be achieved by hand or trowel/spatula without pulling off your tools.

CUTTING-EDGE

mCrete™ Corpac™ incorporates the latest advances in polymerization synthesis, combined with next generation material science to deliver both lightweight structural capabilities and high strength reinforcement. Corpac™ represents advances in kinetic amalgamated systems utilizing ultra-lightweight thixotropes and reinforcement to deliver a high build, high strength epoxy compound for the most challenging and deepest cavity repair needs.

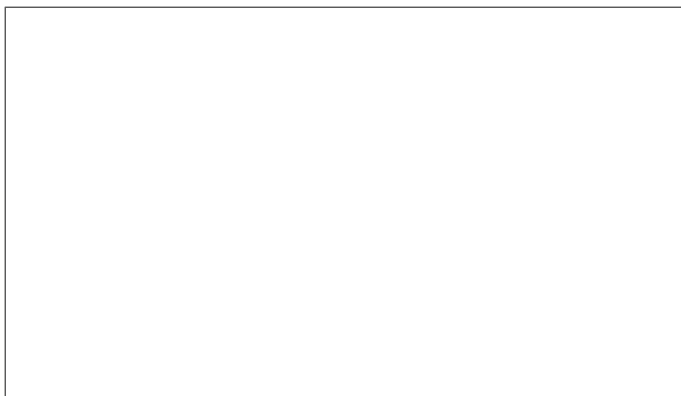
LASTING

mCrete™ Corpac™ is built to last, not a temporary solution. The organic material “lives” with substrate cycles, vibrations, and any other natural cyclical effects. Unlike heavy, inorganic, rigid materials that exhibit zero tensile elongation, the mCrete™ Corpac™ will not shrink or dislodge. The surrounding concrete will often fail before the 5511 releases its bond. This solution ensures ROI where concrete and masonry infrastructure repairs are in constant demand.

mCrete™ Corpac™ features:

- Shapeable tailorability
- 100% solids, no VOC
- High compressive strength
- Ultra-high build and overhead hanging capabilities
- Tenacious adhesion
- Pre-proportioned mixing kit
- Minimal to zero shuttering, forms, or support required
- No shrinkage regardless of thickness
- Application completed by hand or with simple tools
- Sealed and corrosion-resistant

For more information, please contact your local MCOR™ consultant



ABOUT MCOR

The MCOR™ product line, trademark and brand are managed and manufactured by Epoxytec Intl Inc. Epoxytec Intl Inc. is a manufacturer of industry specific product lines to combat corrosion by restoring and protecting physical infrastructure worldwide. These product are supplied through a portfolio of distinct brands in order to solve corrosion issues of each industry worldwide. For more information regarding both, please visit mcor.net and epoxytec.com.

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