

Ductile 200

Ultra-high performance mortar for concrete repair

GST International's Ductile 200 is a specially engineered cement-based patch and repair product that offers tremendous performance in horizontal, vertical and overhead applications. Half inch to three-quarter inch patches are typical. Thicker patches are also common.

Benefits:

- High ductility, allowing Ductile 200 to “flex” without being damaged.
- 500 times the tensile strain capacity of other cement-based products.
- The fibers used in Ductile 200 have 10 times the bond strength of competitive fibers due to a molecular bond between the fiber and the Portland cement.
- This bond strength reduces chipping, cracking or impact damage.
- Long-term crack resistance is far superior to any other repair product on the market.
- Tests at the University of Nevada, Reno, were unable to damage Ductile 200 patches at the maximum of 9.0 on the Richter scale in their shake tests.
- Ability to apply directly over existing damaged concrete without bonding agents. The surface must be clean and wet. Power washing is advised.
- Excellent for use to repair spalling from water damage.
- Ductile 200 handles long-term shrinkage cracking, structural movement and fatigue cracking by generating thousands of microcracks. These microcracks are generally too small for water penetration, reducing the chance of delamination or spalling.
- Crystalline self-healing of microcracks prevents water penetration over an extended product service life.
- The high density of Ductile 200 reduces abrasion wear.
- Ground or structure movement that would normally cause large cracks is controlled through the “bending” and microcracking of Ductile 200.
- Freeze thaw protection is over 100 times that of competitive mortars.
- Ductile 200 can be colored, stained, acid etched or stamped.
- The unique chemistry of Ductile 200 makes it resistant to UV, chemicals, and provides an expected service life of 100 years.
- No harmful chemicals, acrylics or epoxies are used in Ductile 200.
- Only water is added at the jobsite. Ductile 200 is preblended.
- Normal concrete placement and finishing equipment are compatible with Ductile 200.
- Thin overlays should immediately be coated with an acrylic or other curing agent. This is especially true outdoors.