

product data

SELECTION & SPECIFICATION DATA

TYPE & DESCRIPTION	830 AR Mortar is a 100% solids advanced ceramic composite, formulated to protect substrates and equipment from aggressive erosion, chemical attack and corrosion. Trowel applied at a nominal film thickness of 1/4" per coat. Formulated for extremely abrasive and corrosive environments where substrate loss is a major concern. Used either to rebuild eroded surfaces or to provide a wear resistant surface with an extended service life over any silica based polymer.
ADVANTAGES	830 AR Mortar cures at temperatures as low as 50°F to form an exceptionally abrasion resistant polymer-aggregate matrix. 830 AR is applied to a primed surface by trowel, where close tolerances and a smooth finish are required. Dramatically outlasts other wear resistant materials and coatings, extending the operating cycles of equipment. Outperforms weld overlays and silica based polymer matrixes. May be molded to precise dimensions for critical tolerances. Performs well in a variety of fluctuating chemical environments.
USES	830 AR may be used alone, or in conjunction with other Greenstone systems. This trowel applied mortar system greatly extends surface wear of a flooring surface and will provide predictable preventative maintenance.

FOR INDUSTRIAL USE ONLY!

PHYSICAL DATA	Compressive Strength - 13,500 psi Tensile Strength - 6,350 psi Impact Strength - 100 in./lbs. Indentation - No indentation MIL-D-3134F Maximum Temperatures - Wet Exposure 160°F, Dry Heat 250°F Shelf Life - 1 Year (warehouse conditions) Working Time - approximately 30 minutes at 75°F. Potlife - approximately 20 minutes at 75°F. Cure Time - hardens in 8-12 hours at 75°F. The warmer the temperature, the faster it cures. Allow a minimum cure of 48 hours at 75°F for full cure. Solids - 100% Colors - Carbide Gray.
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PACKAGING / COVERAGE	830 AR MORTAR - packaged in batches - 1 BATCH KIT - covers approximately 16 square feet at 1/4 inch - containing the following - 1 container - Part A (resin) 1 container - Part B (hardener) 1 bag - Part C (chemical resistant aggregate) 3 BATCH KIT - covers approximately 48 square feet at 1/4 inch - containing the following - 1 container - Part A (resin) 1 container - Part B (resin) 3 bags - Part C (chemical resistant aggregate) Required - 330 PRIMER, 830 AR Sealer/Veilcoat or 810 AR Coating 830 AR PATCH KIT (8 square feet at 1/4") 1EA - 5 Gallon Pail - containing the following. 330 Primer 1 container - Part A (resin) 1 container - Part B (hardener) 830 AR Flooring 1 container - Part A (resin) 1 container - Part B (resin) 1 bag - Part C (abrasion and chemically resistant aggregate)
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SUPPLEMENTAL PRODUCTS	830 AR Sealer, 350 Grout, 300 Coving, 810 AR Coating, 300 Flex
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