

SELECTION & SPECIFICATION DATA

Type	Epoxy Repair Compound
Description	Novolite Repair Mortar is a 100% solids, three-component concrete repair mortar formulated for vertical and overhead applications. Its penetrating resin binder doubles as primer for exceptional bond. Lightweight fillers allow up to 4-inch (10 cm) build thickness in one pass on vertical surfaces.
Features	<ul style="list-style-type: none"> • No VOCs • Lightweight, easy-to-use concrete repair • Stronger than concrete - 6,000 psi compressive strength • Long-term protection • May be applied up to 4 inches (10 cm) thick on verticals without sagging
Uses	<ul style="list-style-type: none"> • Repair of spalled concrete surfaces • Patching bug-holes in cast-in-place slabs • Warehouse floor repairs • Repair of broken expansion joint shoulders
Color	Light Gray
Finish	Matte
VOC	0 g/l
Primer	SC1100 Concrete Primer or SC1100FC Concrete Primer
Solids Content	99 – 100% by volume
Theoretical Coverage Rate	Small Unit: 0.27 cu ft Large Unit: 0.52 cu ft
Maximum Dry Temperature Resistance	Continuous: 200°F (149°C) Intermittent: 250°F (177°C)
Compressive Strength	6,000 psi

SUBSTRATES & SURFACE PREPARATION

All	Surfaces must be clean, dry and free of contaminants.
Concrete or Concrete Masonry Units (CMU)	<p>Old concrete: contact surfaces, including saw cuts, should be roughened and clean from oils, grease, dirt and loose, disintegrated or unsound concrete. Exposed rebar should be free from rust.</p> <p>New concrete: must be cured 7 days at 75°F (24°C) and 50% relative humidity or equivalent. Prepare surfaces in accordance with ASTM D4258 Surface Cleaning of Concrete and ASTM D4259 Abrading Concrete.</p>

MIXING & THINNING

Mixing	<ol style="list-style-type: none"> 1. Empty entire amount of hardener into binder resin container. Mix thoroughly, until uniform consistency. 2. Mix an additional 1– 2 minutes, being sure to pay attention to the sides and bottom of the container. 3. Use the brush provided to wet out the bonding surface with mixed resin. 4. With mixer running, slowly add aggregate component into the resin mixture until the desired consistency is obtained, and immediately proceed with application.
Thinning	Do not thin.

APPLICATION EQUIPMENT GUIDELINES

All	Apply the mixed Novolite Repair Mortar to the newly primed area by float or trowel, while the primer is still wet or tacky. Evenly distribute the material over the surface and smooth with a steel trowel or float. The maximum thickness that can be achieved on vertical surfaces is 4 inches (10cm) without sagging.
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CLEANUP & SAFETY

Cleanup	MEK or Acetone
Safety	Mixes and applications of this product present a number of hazards. Read and follow the hazard information, precautions and first aid directions on the individual product labels and safety data sheets before using.

PACKAGING, HANDLING & STORAGE

Shelf Life	Part A: 12 months at 75°F (24°C) Part B: 12 months at 75°F (24°C) When kept at recommended storage conditions and in original unopened containers.
Package Sizes	Large Unit: 17 lb Aggregate 9 lb Binder Resin & Hardener Small Unit: 8.5 lb Aggregate 9 lb Binder Resin & Hardener
Storage Temperature & Humidity	40°F – 110°F (4°C – 43°C) 0 – 100% relative humidity
Storage	Store in a dry, well-ventilated area, indoors. Maintain products in original packaging and sealed until ready for use. Avoid exposure to direct sunlight or extreme temperatures.

PERFORMANCE DATA

TEST METHOD	RESULTS
Compressive Strength, 5 days ambient cure ASTM C109	6,000 psi
Hardness, 3 days ambient cure ASTM D2240	87 – 90 Shore
Pull-off Adhesion ASTM D4541	Concrete Failure

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