

## SELECTION & SPECIFICATION DATA

<b>Type</b>	Lightweight Epoxy Repair Mortar
<b>Description</b>	Novolite Repair Mortar is a 100% solids, three-component concrete repair mortar formulated for horizontal, 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. Also available in fast cure grade, Novolite Repair Mortar FC.
<b>Features</b>	<ul style="list-style-type: none"> <li>• No VOCs</li> <li>• Lightweight, easy-to-use concrete repair</li> <li>• Stronger than concrete</li> <li>• Long-term protection</li> <li>• May be applied up to 4-inches thick on verticals without sagging</li> </ul>
<b>Uses</b>	<ul style="list-style-type: none"> <li>• Repair of spalled concrete surfaces</li> <li>• Patching bug-holes in cast-in-place structures</li> <li>• Warehouse floor repairs</li> <li>• Repair of broken expansion joint shoulders</li> <li>• Repair of vertical and overhead concrete surfaces</li> </ul>
<b>Color</b>	Light gray
<b>Finish</b>	Matte

## SUBSTRATES & SURFACE PREPARATION

<b>All</b>	Surfaces must be clean, dry and free of contaminants.
<b>Concrete or Concrete Masonry Units (CMU)</b>	<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 loose rust.</p> <p>New concrete: Concrete must be cured 28 days at 75°F (24°C) and 50% relative humidity or equivalent. Prepare surfaces in accordance with SSPC-SP 13/ NACE 6. Required surface profile is CSP 3-7. Voids in concrete may require filling. Mortar joints should be cured a minimum of 15 days. Prime with neat resin binder.</p>

## MIXING

<b>Thinning</b>	Do not thin.
<b>Mixing</b>	<p>To prepare the primer/mortar resin binder, empty entire container of Part B hardener into Part A resin container and power mix thoroughly for 3 minutes, taking care to sweep the sides and bottom of the container with the mix blade.</p> <p>To prepare the mortar, with the mixer running, slowly add Part C aggregate to mixed binder resin until the desired mortar consistency is obtained. Aggregate loading may be varied to adjust mortar slump to suit the application.</p>
<b>Cleanup</b>	MEK or acetone

## APPLICATION GUIDANCE

<b>Installation Guidance</b>	Novolite Repair Mortar is formulated for ideal handling at 80°F (27°C). It will cure slowly between 50°F (10°C) and 70°F (21°C). Substitute Novolite Repair Mortar FC to speed cure below 70°F (21°C).
<b>Trowel</b>	Brush the primer/resin binder onto the prepared substrate. Before it dries, use a trowel or float to apply the Novolite Repair Mortar evenly over the primed surface and smooth the surface.

## CURE SCHEDULE & RECOAT WINDOW

SUBSTRATE	MINIMUM RECOAT	MAXIMUM RECOAT
77°F (25°C)	12 hours	14 days
100°F (37°C)	4 hours	48 hours

Use Novolite Repair Mortar FC for substrate temperatures 40°F – 70°F (4°C – 21°C).

## SAFETY

<b>Safety</b>	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.
<b>Ventilation</b>	Provide thorough air circulation during and after application until the material has cured when used in enclosed areas.

## PACKAGING, ESTIMATING & HANDLING

<b>Package Sizes</b>	<p>0.3 ft<sup>3</sup> Small Kit, 13.77 lb (6.24 kg) Kit</p> <ul style="list-style-type: none"> <li>- Part A Resin Clear, 3.3 lb (1.5 kg) Can</li> <li>- Part B Hardener Clear, 1.97 lb (0.9 kg) Can</li> <li>- Part C Aggregate, 8.5 lb (3.85 kg) Pail</li> </ul> <p>Item # M-CR1100-SMKT-01</p> <p>0.5 ft<sup>3</sup> Large Kit, 26 lb (11.8 kg) kit</p> <ul style="list-style-type: none"> <li>- Part A Resin Clear, 5.65 lb (2.6 kg) Can</li> <li>- Part B Hardener Clear, 3.3 lb (1.5 kg) Can</li> <li>- Part C Aggregate, 17 lb (7.71 kg) Pail</li> </ul> <p>Item # M-CR1100-LGKT-01</p> <p><b>Novolite Aggregate (Liquids Not Included)</b></p> <ul style="list-style-type: none"> <li>- Part C Aggregate, 17 lb (7.7 kg) Pail Item # M-NOVOLITE-5GLB-1</li> <li>- Part C Aggregate, 170 lb (77.1 kg) Drum Item # M-NOVOLITE-DRUM-01</li> </ul>
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<b>Theoretical Coverage</b>	12 square feet at 1-inch per cubic foot
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## Storage & Shelf Life

Maintain product in original packaging and sealed until ready for use. Estimated shelf life is 12 months when stored in a dry area at 75°F (24°C). Actual shelf life may vary with storage conditions. Do not store below 40°F (4°C) or above 110°F (43°C).

If there is any question with respect to the quality of the components, check reactivity prior to use. Consult ErgonArmor Technical Service for assistance.

## TYPICAL PHYSICAL PROPERTIES

PROPERTY	VALUE
Compressive strength ASTM C109 5 days ambient cure	6,000 psi (41 MPa)
Hardness ASTM D2240 3 days ambient cure	87 – 90 Shore D
Pull-off adhesion ASTM D4541	Concrete failure
Density	47.7 lb/ft <sup>3</sup> (2.98 kg/m <sup>3</sup> )
VOC	0 lb/gal (0 g/L)
Solids content, mixed primer/binder	99 – 100% by volume

## SERVICE TEMPERATURE

SERVICE	MAXIMUM TEMPERATURE
Dry, continuous	200°F (149°C)
Dry, intermittent	250°F (177°C)

Temperature limitations will vary with chemical exposure. Consult ErgonArmor Technical Service for guidance.

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