WHEN/WHERE TO USE
- Interior/exterior concrete
- Steps, patios, garage floors
- Renew concrete surfaces

ADVANTAGES
- Polymer modified
- Trowel or broom
- Just add water, mix, and use

AVAILABLE SIZE
- 25 lb. (11 kg) bag (BOM #102642)

COVERAGE
- 1 sq. ft. per lb. at ⅛ in. thickness (0.09m² per 0.45 kg at 3 mm)
- One 25 lb. (11 kg) bag will cover 12.5 sq. ft. (1.1 m²) at ⅛ in. (6.3 mm) thickness

TECHNICAL DATA
Applicable Standards:

Typical Values • Akona Polymer-Modified Concrete Resurfacer

<table>
<thead>
<tr>
<th></th>
<th>Akona Polymer-Modified Concrete Resurfacer</th>
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<tbody>
<tr>
<td>Initial Set Time</td>
<td>Approximately 20 minutes</td>
</tr>
<tr>
<td>Final Set Time</td>
<td>Approximately 60 minutes</td>
</tr>
<tr>
<td>Water Requirement</td>
<td>3¾ pt. (1.77 L)</td>
</tr>
<tr>
<td>Flow (flow table, 10 drops)</td>
<td>105 to 115%</td>
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<tr>
<td>Compressive Strength ASTM C109 (air dry)</td>
<td></td>
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<tr>
<td>24 hours</td>
<td>&gt; 1,250 psi (8.6 MPa)</td>
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<tr>
<td>7 days</td>
<td>&gt; 3,500 psi (24.1 MPa)</td>
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<tr>
<td>28 days</td>
<td>&gt; 5,000 psi (34.4 MPa)</td>
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</tbody>
</table>

Note: Test results obtained under controlled laboratory conditions at 72°F (22°C) and 50% relative humidity. Reasonable variations can occur due to atmospheric and job site conditions.

PREPARATION
Read all directions before starting work. Proper surface preparation is crucial to achieving a successful application.
1. Remove all loose or unsound materials. Thoroughly clean surface of dirt, dust, grease, paint, or other contaminants that could inhibit bonding of overlays.
2. Surfaces should be a light broom finish or rougher to ensure proper bond adhesion. Smooth troweled or dense concrete surfaces must be mechanically roughened. For best results, apply to clean surface with a concrete surface profile texture between CSP 4 and CSP 6 as referenced in the International Concrete Repair Institute (ICRI) Technical Guideline No 310-2. Mechanical methods such as grinding, shotblasting, scarifying, or sanding can be used to create surface texture.
3. For soiled surfaces, scrubbing with a concrete cleaner or degreaser is recommended. Always rinse thoroughly with clean water to remove all cleaning solutions. A 2,500 to 3,500 pressure washer is also advisable to remove all contaminants.
4. All cracks or depressions greater than ¼ in. (6 mm) deep should be repaired with Akona Vinyl Cement Patch (sold separately) at least three days prior to resurfacing. Minor blemishes (less than ¼ deep) may be repaired with Polymer Modified Concrete Resurfacer mixed to a trowelable consistency 2-4 hours before applying overlay.
5. For sloped applications, no forms are needed for toppings of ¼ in. (3 mm). Use removable form boards or other slope guides for thicker toppings.

6. If possible, divide work areas into sections no larger than 100-140 sq. ft. (9.29-13 m²). Expansion joints and control joints will often form natural breaking points. Expansion and control joints must be maintained, do not fill with the Resurfacer. Weather stripping or duct tape can be used to prevent spillage of the Resurfacer into these joints and surrounding areas.

7. Just prior to application, pre-dampen surface to be repaired with clean water to saturated surface dry (SSD) condition with no standing water remaining.

MIXING
1. Use cool, potable water, clean tools and clean containers. No bonding additive is needed.
2. Mix only the amount that can be applied within the 10-20 minute working time.
3. Add approximately 3¾ pt. (1.77 L) of clean, cool water per 25 lb. (11 kg). Always stir the powder into the liquid for easier blending. Mix with a paddle mixer on a drill or mechanical batch mixer. Avoid high-speed mechanical mixing which can entrap air into the mixture. A 5-gallon pail can work well as a mixing container, and can be used to pour the mixture onto the surface being covered. Smaller amounts can be mixed by hand.
4. Mix to a uniform, lump-free, stiff, pourable consistency similar to pancake batter or honey. Mixing time is approximately 2-3 minutes.

5. Warmer temperatures will reduce the working time. The addition of cold water at high temperatures, or warm water in low temperatures will aid in adjusting the mix temperature.

APPLICATION

1. For best results, do not apply in direct sunlight or on hot, windy days, or when temperatures drop below 50°F (10°C) within 48 hours of application. Protect from rainfall for at least 4 hours after application.

2. Clean concrete surface must be completely dampened with no pooling water. Apply to a uniform thickness of ½ - ¼ in. (3 - 6 mm) with a flat trowel or long-handled squeegee applying some pressure to ensure proper bond. Color variation can occur when applied at uneven thicknesses, especially if it is paper thin in high points and thicker in low points. Do not apply over control or expansion joints. A technique of alternating between spreading with a squeegee and smoothing with a 24 in. drywall knockdown knife works well. Wetting the trowel blade will aid in smoothing.

3. This product develops initial set in approximately 10-20 minutes depending on temperature and humidity. Complete troweling or broom finish as soon as possible, before material hardens. A concrete edger and groover can be used around the edges for a finished look.

4. When desired application thickness is greater than ¼ in. (6 mm), additional layers can be applied after each layer sets and surface can support foot traffic without indentation (typically 2-4 hours depending on temperature and humidity). Gently fog or lightly mist with water and remove any standing water immediately before applying the second layer. If a second layer is delayed longer than 24 hours, careful cleaning and pressure washing may be needed to provide a clean surface.

5. Protect the surface from use until the Concrete Resurfacer is completely hard and set. On average, wait 4-6 hours before allowing light foot traffic, and wheeled traffic in 12 hours depending upon temperature and humidity.

6. For vertical applications such as stair risers, mix Concrete Resurfacer to a trowelable consistency.

CURING

Do not wet the surface before the materials has reached final set, at that time, begin moist curing with a gentle mist of water or fog spray. Continue moist curing for 24-48 hours prior to use. Do not cover unless rain protection is necessary. If desired, water-based sealers may be used per their manufacturer’s instructions. Repair can be painted with latex masonry paints once cured for a minimum of 7 days and area remains dry.

CLEAN UP

Typically water will satisfactorily clean tools after using. If the material has begun to harden, warm soapy water may be helpful for cleaning hands and tools. Dried material requires mechanical removal.

IMPORTANT NOTES

- WEAR GLOVES AT ALL TIMES. FAILURE TO DO SO CAN RESULT IN SEVERE BURNS.
- Goggles are recommended eye protection safety equipment.
- Do not use any additives, mix with water only.
- Do not use more than the recommended amount of water. Overwatering may cause excessive shrinkage, cracking, reduce adhesion, and long term durability of Polymer-Modified Concrete Resurfacer.
- Use only clean mixing containers and tools.
- Ideal application temperatures are between 50°F-90°F (10°-32°C).
- Do not apply over concrete cured less than 7 days or surfaces that are frozen or contain frost.
- Do not apply over polyurethane or acrylic crack fillers.
- Existing cracks can reappear through Concrete Resurfacer due to movement in the concrete base.

Proper application and installation of all AKONA products are the responsibility of the end user.

WARNING

Always read the product SDS and cautionary statements on product container prior to application. Wear proper protective gear as advised on the label and/or SDS. Wash hands thoroughly with warm, soapy water after handling or before eating. Do not take internally. KEEP OUT OF REACH OF CHILDREN.

WARRANTY

Seller warrants that its product will conform to and perform in accordance with the product specifications. The foregoing warranty is in lieu of all other warranties, expressed or implied, including, but not limited to those concerning merchantability and fitness for a particular purpose. Because of the difficulty in ascertaining and measuring damages hereunder, it is agreed that, Seller’s liability to the Buyer shall not exceed the total amount billed and billable to the Buyer for the product hereunder.

ENVIRONMENTAL ADVISORY

Uncured or crushed/cured cement is an environmental hazard, which may adversely affect fish and wildlife. Dispose of construction debris containing cement, including empty bags, at a permitted municipal disposal firm. Do not use crushed concrete as a fill near an aquatic habitat.

### Properties Table

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shelf Life</td>
<td>Best when used within one year in original, unopened package.</td>
</tr>
<tr>
<td>Storage Conditions</td>
<td>Store dry. Best to condition material to 50-80°F (10°-27°C) before using.</td>
</tr>
<tr>
<td>Color</td>
<td>Gray</td>
</tr>
</tbody>
</table>

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