# MICRO-CRETE

## POLYMER MODIFIED AND MICRO FIBER ENHANCED CEMENTITIOUS MICRO-TOPPING

### DESCRIPTION

MICRO-CRETE is a polymer-modified, micro fiber enhanced cementitious, single-component, re-surfacing compound. MICRO-CRETE is easy to use and is ideal for renewing worn or spalled concrete. MICRO-CRETE also provides the perfect canvas for coloring with acid stains, dyes and colorants.

### FEATURES

- Available in white or gray (concrete gray)
- May be integrally colored with THIN-CRETE COLOR PACKS
- Easy to mix, just add water
- Can be broomed or trowel-finished
- Can be used with all types of concrete coloring
- Can be applied as thin as a featheredge 1/16 in (1.5 mm)
- Looks like brand-new concrete
- Micro fiber enhanced

### TECHNICAL INFORMATION

<table>
<thead>
<tr>
<th>Physical Property</th>
<th>Test Method</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Time</td>
<td>-</td>
<td>30 minutes at 70 °F (21 °C)</td>
</tr>
<tr>
<td>Initial Set</td>
<td>ASTM C 266</td>
<td>approx 1 hour</td>
</tr>
<tr>
<td>Final Set</td>
<td>ASTM C 266</td>
<td>approx 2.5 hours</td>
</tr>
<tr>
<td>Compressive Strength</td>
<td>ASTM C 109</td>
<td>4000 psi (28 MPa) at 28 days</td>
</tr>
</tbody>
</table>

### PACKAGING

MICRO-CRETE is packaged in 40 lb (18 kg) moisture-resistant bags.

### SHELF LIFE

1 Year in original, unopened package.

### COVERAGE

A mixed bag of MICRO-CRETE will cover approximately 80 ft² (8 m²) at a thickness of 1/16 in (1.6 mm). The total yield is 0.48 ft³/bag (0.01 m³/bag).
Surface preparation: Concrete surfaces must be structurally sound, free of loose or deteriorated concrete and free of dust, dirt, paint, efflorescence, oil and all other contaminants. Remove any loose material and any coatings such as paint, curing agents, and sealers. Incretec’s Uni-Strip is perfect for removing old coatings. Degrease surface with Incretec Systems GREASE-AWAY degreaser using 4-8 fl. Oz. of degreaser to one gallon of water then rinse. For areas with heavy contamination mechanical means are recommended. Achieve a surface profile equal to CSP 2-3 in accordance with ICRI Guideline 310.2. Properly clean profiled area.

Priming: Depending on the conditions MICRO-CRETE can be installed over a dry or saturated surface dry (SSD). If concrete is very porous 1 or 2 coats of BOND-CRETE bonding adhesive. Please refer to the BOND-CRETE technical data sheet for further instructions.

Mixing: All materials should be conditioned to the appropriate temperature range of 50°F - 90°F (10°C - 32°C) prior to mixing and placement. MICRO-CRETE mixes with 4.5 to 5 quarts (4.3 to 4.73 L) of clean, potable water for standard overlay applications. For repairing deeper spalls prior to overlaying, MICRO-CRETE can be mixed with 3.5 to 4 quarts (3.3 to 3.8 L) of water to make a stiff paste suitable for spall repairs. Place 80% of the mixing water into a clean pail. Slowly add the dry MICRO-CRETE powder into the mixing pail. During this time, the material should be mixed with a drill and “jiffy” type mixing paddle. Slowly add the remaining 20% of the mixing water to the pail and mix for 3 minutes to achieve the desired consistency. Place immediately.

Coloring: MICRO-CRETE can be integrally colored. Add the desired liquid or dry colorant to the mixing water and stir until colorant evenly disperses throughout the water. Continue mixing in the MICRO-CRETE as directed. For even results, it is a best practice to “box” all mixing water that has been colored prior to mixing individual bags of MICRO-CRETE. Colored results vary based on the colorant and amount used.

Placement: Place the mixed MICRO-CRETE onto the concrete in the desired area. For best adhesion to the concrete, use a scrub brush or stiff street broom to scrub the material onto the prepared substrate. Following the initial placement of the material to the concrete, finish as desired, using either a trowel or a broom. The maximum placement depth of MICRO-CRETE is 3/8” (9.5 mm). If multiple lifts are to be applied, score the previous lift after placing; this will provide a great surface to mechanical bond subsequent lifts over. Since MICRO-CRETE is a thinly applied material, surface and air temperatures greatly effect the working time of the material. On hotter days, it is best practice to work in small, controlled areas to avoid cold joints. Use INCRETE’s INCRETE DELAY evaporation retardant to retain moisture in the material and to provide longer finishing time. Working from joint to joint in the base concrete is a good practice. All saw cuts and joints in the base concrete will have to be honed through the MICRO-CRETE material.

Patching/repair: MICRO-CRETE may be used as a patch/repair compound. Remove any loose material and clean area to be patched. Follow priming instructions. For vertical and cantilevered repairs, reduce mix water to 3.5 to 4 qt (3.3 to 3.8 L) to make a stiff paste. “Bug holes” up to 3/4 in (1.9 cm) may be repaired with MICRO-CRETE alone. Larger/deeper repairs may require the use of additional aggregate to minimize surface cracks. Once repair is made and has dried, prime and apply a top coat of MICRO-CRETE as directed above.

Precautions/Limitations

- Avoid applying material in direct sun.
- Always mix full units; mixing partial bags will give variable results.
- Use only potable water for mixing.
- Do not use this material when temperatures are below 50°F (10°C) or greater than 90°F (32°C).
- Do not use plastic or other covering to cure MICRO-CRETE, because discoloration will occur.
- Store product in a cool, dry place.
- For professional use only.
- In all cases, consult the Safety Data Sheet before use.

WARRANTY: The Euclid Chemical Company (“Euclid”) solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid’s installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid’s products for the Buyer’s intended purposes.