

NEWCRETE

Concrete Resurfacer



PRODUCT DATASHEET

DESCRIPTION: Rapid Set® NEWCRETE is a high performance polymer-modified mortar that can be used to resurface worn, old or spalled concrete, giving a new concrete look. The advanced hydraulic cement used in NEWCRETE provides a durable surface for both indoor and outdoor use. NEWCRETE has been specially formulated to match the color of typical portland cement concrete. Cutting-edge self-curing technology (SCT) means wet curing is not required in most applications. NEWCRETE has a working time of up to 30 minutes and can receive foot traffic in as soon as 2 to 3 hours.

USES: Use NEWCRETE to renew old, damaged or discolored concrete.

ENVIRONMENTAL ADVANTAGES: Use NEWCRETE to reduce your carbon footprint and lower your environmental impact. Production of Rapid Set cement emits far less CO₂ than portland cement. Contact your CTS representative for LEED values and environmental information.

APPLICATION: Typical application thicknesses range from skim coat to 1/8" (0.32 cm). NEWCRETE may be used to prefill cracks, spalls and holes up to 1/2" (1.2 cm) thick prior to resurfacing. For larger repairs, use Rapid Set concrete repair products.

SURFACE PREPARATION: Application surface must be clean, sound and free from any materials that may inhibit bond, such as oil, asphalt, curing compound, acid, dirt and loose debris. Roughen surface and remove all unsound material. Apply NEWCRETE to a surface that is thoroughly saturated with no standing water. Surface must have a minimum temperature of 50°F (10°C).

PRIMING: Priming is not required. For porous substrates, use Rapid Set® Acrylic Primer to minimize the formation of pinholes on the surface. Follow all product application instructions.

MIXING: Organize work so that personnel and equipment are in place before mixing. Use clean potable water. **NEWCRETE may be mixed using 2.5 to 3 quarts (2.3 L to 2.8 L) of water per 25-lb (11.3-kg) box. Use less water to achieve higher strengths. Do not exceed 3 quarts (2.8 L) of water per box.** Place the desired quantity of mix water into the mixing container. Add material while mixing. Mix for the minimum amount of time required to achieve a lump-free, uniform consistency (usually 2 to 3 minutes). Do not retemper. Mixed NEWCRETE should be used within 30 minutes at 70°F (21°C).

PLACEMENT: Place quickly to allow for maximum finishing time. Once applied, typical finishing time is 5 to 10 minutes. Thinner applications will set faster. Do not wait for bleed water; apply final finish as soon as possible. NEWCRETE may be troweled, floated or broom finished. Do not install on frozen surfaces.

COLD WEATHER: Environmental and material temperatures below 70°F (21°C) may delay setting time and reduce the rate of strength gain. Lower temperatures will have a more pronounced effect. Thinner sections will be more significantly affected. To compensate for cold temperatures, keep material warm, and use heated mix water.

OVERVIEW

Highlights:

Make old concrete look new

Easy to use

Self-Curing Technology (SCT)

Rapid strength gain

Polymer modified

Concrete gray color

30 minute working time

Foot traffic in 2 to 3 hours

Interior/exterior

MasterFormat® 2016

03 01 30 Maintenance of Cast-in-Place Concrete

03 01 40 Maintenance of Precast Concrete

03 01 50 Maintenance of Cast Decks and Underlayment

03 01 70 Maintenance of Mass Concrete

03 53 19 Concrete Overlayment

Manufacturer:

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WARM WEATHER: Environmental and material temperatures above 70°F (21°C) may shorten setting time and increase the rate of strength gain. Higher temperatures will have a more pronounced effect. To compensate for warm temperatures, keep material cool, use chilled mix water.

CURING: Rapid Set® NEWCRETE does not require water curing or curing compound under moderate conditions at 70°F (21°C). In dry, windy or hot conditions, mist with water to maintain a continuously wet surface until the product has achieved sufficient strength. NEWCRETE cures to a light gray color. Walk on time is approximately 2 to 3 hours.

YIELD & PACKAGING: The coverage of one 25-lb (11.3-kg) box of NEWCRETE is approximately 75 ft² (7.0 m²) at 1/16" (0.16 cm) depth or 150 ft² (13.9 m²) at skim coat depth. Coverage may vary due to jobsite conditions.

SHELF LIFE: NEWCRETE has a shelf life of 12 months when stored properly in a dry location, protected from moisture, out of direct sunlight, and in an undamaged package.

USER RESPONSIBILITY: Before using CTS products, read current technical data sheets, bulletins, product labels and safety data sheets at www.CTScement.com. It is the user's responsibility to review instructions and warnings for any CTS products prior to use.

WARNING: DO NOT BREATHE DUST. AVOID CONTACT WITH SKIN AND EYES. Use material in well-ventilated areas only. Exposure to cement dust may irritate eyes, nose, throat, and the upper respiratory system/lungs. Silica exposure by inhalation may result in the development of lung injuries and pulmonary diseases, including silicosis and lung cancer. Seek medical treatment if you experience difficulty breathing while using this product. The use of a NIOSH/MSHA-approved respirator (P-, N- or R-95) is recommended to minimize inhalation of cement dust. Eat and drink only in dust-free areas to avoid ingesting cement dust. Skin contact with dry material or wet mixtures may result in bodily injury ranging from moderate irritation and thickening/cracking of skin to severe skin damage from chemical burns. If irritation or burning occurs, seek medical treatment. Protect eyes with goggles or safety glasses with side shields. Cover skin with protective clothing. Use chemical resistant gloves and waterproof boots. In case of skin contact with cement dust, immediately wash off dust with soap and water to avoid skin damage. In case of skin contact with wet concrete, wash exposed skin areas with cold running water as soon as possible. In case of eye contact with cement dust, flush immediately and repeatedly with clean water, and consult a physician. If wet concrete splashes into eyes, rinse eyes with clean water for at least 15 minutes and go to the hospital for further treatment.

Please refer to the SDS and www.CTScement.com for additional safety information regarding this material.

LIMITED WARRANTY: CTS CEMENT MANUFACTURING CORP. (CTS) warrants its materials to be of good quality and, at its option, will replace or refund the purchase price of any material proven to be defective within one (1) year from date of purchase. The above remedies shall be the limit of CTS's responsibility. Except for the foregoing, all warranties expressed or implied, including merchantability and fitness for a particular purpose, are excluded. CTS shall not be liable for any consequential, incidental, or special damages arising directly or indirectly from the use of the materials.

⚠ WARNING

CANCER and REPRODUCTIVE HARM - www.P65Warnings.ca.gov

TYPICAL PHYSICAL DATA

Compressive Strength, ASTM C109 Mod.

24 hours 2000 psi (13.7 MPa)

28 days 4000 psi (31.0 MPa)

All data produced at 70°F (21°C) at 3 quarts of water



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