

# ASPHALT REPAIR MIX

Fast-Setting, Cement-Based Pothole Fill and Repair Material



## PRODUCT DATASHEET

**DESCRIPTION:** Rapid Set® ASPHALT REPAIR MIX is a high-performance, fast-setting, multi-purpose, cementitious material with coarse aggregate for asphalt repair. ASPHALT REPAIR MIX has been specially formulated with a polymer-modified blend of Rapid Set Cement and additives designed to match the color of typical existing asphalt. Combine ASPHALT REPAIR MIX with water to produce a high-quality repair material that is ideal for pothole repairs. ASPHALT REPAIR MIX has superior adhesion to most substrates. ASPHALT REPAIR MIX has a working time of 15 minutes and achieves drive-on strength in 2 hours.

**USES:** Use ASPHALT REPAIR MIX for driveways, parking lots, roads, potholes and more.

**ENVIRONMENTAL ADVANTAGES:** Use Asphalt Repair Mix to reduce your carbon footprint and lower your environmental impact. Production of Rapid Set cement emits far less CO<sub>2</sub> than portland cement. Contact your CTS representative for EPD, LEED values and other sustainability information.

**APPLICATION:** Apply ASPHALT REPAIR MIX in thicknesses from 2" (5 cm) to 24" (61 cm). For thinner sections, use Rapid Set® Asphalt Resurfacer.

**SURFACE PREPARATION:** For partial depth repairs, application surface must be clean, sound and free of any materials that may inhibit bond. Clean the repair area with a wire brush and remove dirt and debris with a stiff bristle broom. For maximum adhesion, it is recommended to pressure wash the surface thoroughly. Remove all standing water. For full depth repairs, remove damaged asphalt and loose debris, square-cut vertical sides, and saturate the surface with water prior to installing ASPHALT REPAIR MIX.

**MIXING:** The use of a power-driven mechanical mixer, such as a mortar mixer or a drill-mounted mixer, is recommended. Organize work so that all personnel and equipment are in place before mixing. Use clean potable water. **ASPHALT REPAIR MIX may be mixed using 2.75 to 3.25 quarts (2.60 L to 3.08 L) of water per 50-lb (22.7 kg) bag.** Place the desired quantity of mix water into the mixing container. While the mixer is running, add ASPHALT REPAIR MIX. Mix for the minimum amount of time required to achieve a lump-free, uniform consistency (usually 1 to 3 minutes).

**PLACEMENT:** Organize work so that all personnel and equipment are ready before placement. Place and consolidate quickly to allow for maximum finishing time. Use a method of consolidation that eliminates air voids. Do not wait for bleed water; apply final finish as soon as possible. ASPHALT REPAIR MIX may be troweled or floated. A smoother trowel may be used. To match existing asphalt textures, it is recommended to use a loop roller to apply the final finish. Do not install in layers; place in full-depth sections. Do not install with a tamping tool like traditional asphalt cold patch products. Do not install on frozen surfaces. ASPHALT REPAIR MIX may be applied in temperatures ranging from 45°F to 90°F (7°C to 32°C).

**CURING:** ASPHALT REPAIR MIX does not require water curing under moderate conditions at 70°F (21°C). In dry, windy or hot conditions, mist with water to maintain a continuously wet surface for a minimum of 1 hour or until the product has achieved sufficient strength. Water curing may affect final color.

**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:

Superior adhesion to existing asphalt surfaces

Designed to match the color of typical existing asphalt

Ready to use for full depth repairs from 2" to 24"

Higher durability than conventional asphalt

Easy to apply: Just add water, mix and pour. No tamping needed

Stays flat: Little to no subsidence

### Subsidence of Asphalt Repair Materials:

#### Cold Patch Products



#### Rapid Set Stays Flat



### Tested in accordance with:

ASTM C143

ASTM C403

### MasterFormat® 2020

32 01 00 Operations and Maintenance of Exterior Improvements

32 01 17 Flexible Paving Repair

### Manufacturer:

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**WARM WEATHER:** Environmental and material temperatures above 70°F (21°C) may speed 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 and use chilled mix water.

**YIELD & PACKAGING:** ASPHALT REPAIR MIX is available in a 50-lb (22.7 kg) bag. One 50-lb (22.7 kg) bag of ASPHALT REPAIR MIX will yield approximately 0.43 ft<sup>3</sup> (0.012 m<sup>3</sup>).

**SHELF LIFE:** ASPHALT REPAIR MIX 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:** ASPHALT REPAIR MIX is not recommended for recently poured or resealed asphalt (within 12 months). Reflective cracks may appear due to vibration, substrate flexure or existing cracks.

Before using CTS products, read current technical data sheets, bulletins, product labels and safety data sheets at [www.CTScement.com](http://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 cement, 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 cement 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](http://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' 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](http://www.P65Warnings.ca.gov)

## TYPICAL PHYSICAL DATA

### Set Time, ASTM C403

Initial set	85 minutes
Final set	100 minutes



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