

WUNDERFIXX®

Concrete Smoothing Compound



PRODUCT DATASHEET

DESCRIPTION: Rapid Set® WUNDERFIXX® is a high-performance, gray concrete smoothing compound. WUNDERFIXX is a blend of Rapid Set hydraulic cement, high-performance polymers, self-curing technology (SCT) and finely ground aggregate. Mix WUNDERFIXX with water to produce a workable, easy-to-apply mixture with excellent bonding characteristics. Trowel apply WUNDERFIXX to achieve a smooth and uniform finish. After applying, WUNDERFIXX may be sanded within 24 hours to achieve an ultra-smooth finish.

USES: Use WUNDERFIXX for cosmetic patching, detailing and smoothing on tilt-up panels, precast, formed work, concrete block and other concrete and masonry surfaces. Durable in wet environments, it is suitable for both interior and exterior applications. WUNDERFIXX may be used on vertical, overhead and non-wearing horizontal surfaces.

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

APPLICATION: Apply WUNDERFIXX in thicknesses from skim coat to 1/2" (1.3 cm). For thicker applications, use appropriate Rapid Set® repair products. Consult your CTS Cement Representative for more information and training.

SURFACE PREPARATION: Application surface must be clean, sound concrete that is free from any materials that may inhibit bond, such as form release, oil, curing compound, acid, dirt and loose debris. Apply WUNDERFIXX to a surface that is dry or saturated with no standing water. A test area should be applied to determine suitability in the repair environment.

MIXING: The use of a drill-mounted mixing paddle is recommended. Organize work so that personnel and equipment are in place before mixing. Use clean, potable water. **WUNDERFIXX may be mixed using 6 to 8 quarts (5.7 L to 7.6 L) per 50-lb (22.7-kg) bag. Use less water to achieve higher strengths. Do not exceed 8 quarts (7.6 L) of water per bag.** For increased fluidity and workability, use Rapid Set® FLOW Control® plasticizing admixture from the Rapid Set® Concrete Pharmacy®. Place the desired quantity of mix water into the mixing container. While the mixer is running, add WUNDERFIXX. Mix for the minimum amount of time required to achieve a lump-free, uniform consistency. Do not retemper.

INSTALLATION: At time of installation, the surface and ambient temperatures must be between 50°F to 90°F (10°C to 32°C). WUNDERFIXX has a working time of 30 minutes at a temperature of 70°F (21°C). Once in place, as the material becomes stiff (typically within 10 to 20 minutes), use a trowel to shave or cut the excess material to the desired shape. Material can be sanded, primed and painted the same day.

CURING: WUNDERFIXX 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.

OVERVIEW

Highlights:

Easy To Use: Just add water, no admixtures needed

High Performance: Patch, sand and paint the same day

Ultra-Smooth Finish: Grit free and sandable within 24 hours

Excellent Bond: Bonds to concrete, brick, block, plaster and other concrete and masonry surfaces

Self-Curing Technology (SCT): No water curing needed under normal conditions

Interior/Exterior: Water resistant and durable in wet environments

Conforms to:

ASTM C109

MasterFormat® 2016

03 01 40 Maintenance of Precast Concrete

03 01 50 Maintenance of Cast Decks and Underlayments

09 24 23 Cement Stucco

Manufacturer:

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WUNDERFIX[®] Concrete Smoothing Compound

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, use heated mix water, and follow ACI 306 Procedures for Cold Weather Concreting.

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, use chilled mix water, pre-wet substrate (saturated surface dry), and follow ACI 305 Procedures for Hot Weather Concreting. The use of Rapid Set[®] SET Control retarding admixture from the Concrete Pharmacy will help offset the effects of high temperatures.

YIELD & PACKAGING: WUNDERFIX is available in 50-lb (22.7-kg) and 9-lb (4.1-kg) sizes. One 50-lb (22.7-kg) bag of WUNDERFIX will yield approximately 115 ft² (10.7 m²) at 1/16" (1.6 mm).

SHELF LIFE: WUNDERFIX 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 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 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

ASTM C109 Mod.

| Age | Compressive Strength |
|-----|----------------------|
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| | |
|----------|---------------------|
| 24 hours | 1500 psi (10.3 MPa) |
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| | |
|---------|---------------------|
| 28 days | 2000 psi (13.8 MPa) |
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All data produced at 70°F (21°C)



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