

# EISENWALL®

Premium Cement For Exterior Plastering



## PRODUCT DATASHEET

**DESCRIPTION:** Rapid Set® EISENWALL® Cement is a premium blend of Rapid Set® Cement and high-performance additives for use in exterior plastering and stucco applications. EISENWALL is ideal where fast turnaround, high strength, superior durability, minimal shrinkage, and reduced cracking are desired. The appearance is similar to portland cement-based plaster and may be applied using like methods. EISENWALL carries a current ICC-ES Evaluation Report (ESR-2671).

**USES:** Use EISENWALL for installation over masonry, concrete, fiberboard, gypsum, wood or cement-based sheathing. EISENWALL may be used as the scratch and brown coats in conventional 3-coat applications, or as the base coat in one-coat applications.

**ENVIRONMENTAL ADVANTAGES:** Use EISENWALL 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 representative for LEED values and environmental information.

**APPLICATION:** Apply EISENWALL using traditional means and methods. EISENWALL can be applied from 3/8" to 2" (0.95 cm to 5.1 cm) in thickness. Apply by hand (trowel) or by machine. Projects using EISENWALL must follow conventional methods, comply with applicable building codes and ICC-ES Report ESR-2671. See CTS specification and application guidelines available at [www.CTScement.com](http://www.CTScement.com).

**SURFACE PREPARATION:** For repair projects, application surface shall be clean, sound and free from any materials that may inhibit bond, such as oil, curing compound, acid, dirt and loose debris. Roughen surface and remove all unsound material. The repair surface must be thoroughly Saturated Surface Dry (SSD) with water.

**MIXING:** Rapid Set® EISENWALL can be mixed in a mortar mixer or with a drill-mounted mixer. To determine the correct mix proportions, refer to chart on reverse side. A 3-to-1 sand to cement ratio is recommended.

**PLACEMENT:** Organize work so that all personnel and equipment are ready before placement. Apply and finish using traditional tools and techniques. The working time of EISENWALL is approximately 45 minutes at 70°F (21°C). Complete installation of mixed materials before stopping work. The working time may be extended by using cold materials or by adding Rapid Set® Eisenwall® Set Control® retarding admixture from the Rapid Set® Concrete Pharmacy®.

**CURING:** Water cure EISENWALL by misting the surface with clean water to maintain its wet sheen until the material is hard and cannot be easily scratched with a nail (minimum 90 minutes). Cold weather or extended setting times will increase the required curing time. The objective of water curing is to maintain a continuously wet surface until the product has achieved sufficient strength.

## HIGHLIGHTS

### FAST

Ready for color in 1 hour after moist curing

### CRACK RESISTANT

High strength, low-shrink formula

### EFFICIENT

Full thickness in a single application

### EASY TO USE

Just add sand and water

### SAVES TIME

Scratch, brown and apply color coat the same day

### CONFORMS TO:

ASTM: C1328, ESR-2671,  
UBC 25-1, LA RR 25358  
State and Local Approvals

### MANUFACTURER:

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**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 by using heated mix water. Rapid Set® EISENWALL® should not be applied if surface, material, or ambient temperature is below 45°F (7°C).

**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 or use chilled mix water. The use of Rapid Set Eisenwall Set Control retarding admixture will help offset the effects of high temperatures.

**YIELD & PACKAGING:** EISENWALL is available in 88-lb (40-kg) polyethylene lined bags. One 88-lb (40-kg) bag will yield approximately 5 yd<sup>2</sup> (4.18 m<sup>2</sup>) at 3/4" (1.9 cm) thickness using the recommended mix design.

**SHELF LIFE:** When stored in a dry location, out of direct sunlight, in an undamaged package, EISENWALL has a shelf life of 12 months.

**APPROVED APPLICATOR:** Contact 800-929-3030 or ApprovedAP@CTScement.com to become an approved applicator.

**USER RESPONSIBILITY:** Before using CTS products, read current technical data sheets, bulletins, product labels and safety data sheets [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 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.

**PROPOSITION 65 WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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, within one year from date of sale, will replace material proven defective or refund purchase price thereof, and such replacement or refund 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.

## PHYSICAL DATA

### Compressive Strength, ASTM C109 Mod.

|          |                     |
|----------|---------------------|
| 6 hours  | 1500 psi (10.3 MPa) |
| 24 hours | 2500 psi (17.2 MPa) |
| 28 days  | 3500 psi (24.1 MPa) |

### Set Time, ASTM C266 Mod.

|              |            |
|--------------|------------|
| Initial set* | 75 minutes |
|--------------|------------|

All data produced at 70°F (21°C)

\*This product is not a portland cement and may have less than 90 minutes set time

## MIXING PROPORTIONS

| Material         | Small Jobs | Large Jobs                           |
|------------------|------------|--------------------------------------|
| Eisenwall Cement | 1 shovel   | 1 88-lb (40-kg) bag                  |
| Plaster Sand     | 3 shovels  | 18-24 shovels, about 264 lb (120 kg) |
| Water            | 3 quarts   | 4-6 gallons (15-23 L)                |

**NOTE:** For above, use shovel size number 2. Water demand will vary depending on the moisture in the sand. Use enough water to achieve the desired working consistency. Mix approximately 3 to 5 minutes. CAUTION: DO NOT RETEMPER OR OVER-MIX. Do not add portland cement, lime, or any other admixtures unless approved by CTS Cement.



30% post consumer waste recycled fiber

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