



Product Specification for:
Rapid Set® OnePass®

SECTION 09 25 00 – OTHER PLASTERING (JOINT COMPOUND)

PART I GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the contract, including General and Supplementary Conditions, apply to this section.

1.2 SUMMARY

- A. This section specifies fast setting, non-shrink spackling and joint compound for indoor or outdoor use that can be used on wallboard, cement board, wood, plaster and other surfaces that require a smooth durable finish from featheredge to 1/2 inch thick and can be painted as soon as it is dry.

1.3 SUBMITTALS

- A. Substitutions:
[Note to specifier: While this does not belong here, it is shown for your review and inclusion in section 01 25 13.] Requests for substitution must be received by Architect at least 14 days prior to bid opening and shall be accepted only from prime bidders. Request shall include: documentation from an approved independent testing laboratory showing compliance with this specification, record of past performance, list of similar installations, detailed comparison of the qualities of the proposed substitute with the specified product, statement of product costs showing all savings passed to owner if approved, and certification by the contractor that the proposed substitute is in every significant way equal to or better than the specified product.
- B. Submit 2 copies of product manufacturer's literature and Material Safety Data Sheets (MSDS). [Note to specifier: Add any other required submissions.]

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials to jobsite in original, unopened, undamaged containers that clearly show the manufacturer's name, product name, and batch number.

- B. Storage: Store material in a dry area off the ground protected from rain, snow, and other sources of moisture. Protect material from temperature extremes.

PART 2 PRODUCTS

2.1 REPAIR MATERIAL

- A. Shall be manufactured by CTS Cement Manufacturing Corp., 11065 Knott Avenue, Suite A, Cypress, CA, 90630. Phone: 800-929-3030 Website: www.ctscement.com
- B. Rapid Set® OnePass®: Cement based, fast setting, non-shrink, polymer modified spackling and joint compound that can be used from featheredge to 1/2 inch thick.
 - 1. Shall contain high performance, water soluble polymers.
 - 2. Shall be non-metallic with no added chlorides.
 - 3. Shall be pre-blended requiring only the addition of water.
- C. Rapid Set® Concrete Pharmacy®: Add these small, pre-measured packets to the material per manufacturer's recommendations to change the properties as shown. [Note to specifier: List only the products that you want to be used on your job.]
 - 1. Set Control® – slows down the set time
 - 2. Bond – increases bond strength
 - 3. Light – lightens the color of the repair material
 - 4. Dark – darkens the color of the repair material
- D. Working time shall be 20 minutes.

2.2 Water: Potable.

PART 3 EXECUTION

3.1 SURFACE PREPARATION

- A. Substrate must be clean, sound and free of materials such as paint, oil, curing compound, bond breaker, etc. that will inhibit bonding.

- B. Open cracks to minimum width of 1/4 inch.

3.2 MIXING

- A. Organize personnel and equipment before mixing.
- B. Use 1 part water to 2 parts of material.
- C. Mixed material should have a temperature of about 70°F. Warmer material will set faster than expected and cooler material will have slower strength gain. Control the mixed temperature by protecting the bags of repair material from temperature extremes and adjust the mixed temperature by using hot or cold water.
- D. Add potable water first then add material while mixing mechanically or by hand.
- E. Do not add any other admixtures. Do not add sand, aggregate, or cement.
- F. Mix until smooth, uniform, and lump-free (usually 3 to 5 minutes).
- G. Do not re-temper.
- H. Clean mixing bucket and tools between batches.

3.3 PLACEMENT

- A. Place material onto the dry substrate.
- B. Surface and ambient temperatures must be at least 45°F and rising.
- C. Protect adjacent surfaces with drop cloths, waterproof paper, or other means to maintain them free of material splashes, water, and debris.
- D. Place material immediately after mixing.
- E. Use a trowel or putty knife to finish smooth and flush with the surface.
- F. Use a trowel, float, or sponge to match the texture of the surrounding area.
- G. Material may be sanded as soon as it has dried (about 45 minutes after mixing). Sanding, if required, must occur within 28 days.
- H. Material may be primed and painted as soon as it has dried because the Ph

matches the concrete Ph at that time.

- I. Apply waterproofing sealer or paint over the finished surface if the substrate may swell or deteriorate due to moisture.

3.4 CURING

- A. None required.

3.5 CLEAN UP

- A. Clean all tools immediately after use.
- B. Clean excess material from surrounding areas immediately.

END OF SECTION