



Rapid Set® SKIM COAT

For Patching, Skim Coating and Underlayment Projects



Highlights

- Excellent bond strength
- Apply featheredge to 1"
- Top with flooring in 1 hour
- Top with epoxy in 16 hours
- Workable for 20 minutes
- Mold and mildew resistant
- No primer required
- No curing compound required
- Easy to use – just add water
- Hydraulic cement based

MANUFACTURER:
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DESCRIPTION:

Rapid Set® SKIM COAT is a high bond strength, fast curing, smooth (unsanded), hydraulic cement-based material used for floor underlaments, concrete repairs, patching and skim coating on interior and exterior projects. Apply and finish from featheredge to 1".

APPLICATIONS:

Use Rapid Set SKIM COAT to repair, level and smooth concrete substrates prior to the installation of floor coverings such as VCT, sheet vinyl, carpet, tile, pavers, epoxy toppings and other coatings. Most floor coverings can be installed over Rapid Set SKIM COAT in 1 hour. Coatings and epoxy toppings can be applied over Rapid Set Skim Coat in 16 hours. Please comply with instructions from the floor-covering manufacturer regarding allowable substrate moisture and moisture testing.

PHYSICAL PROPERTIES

All data produced at 70°F (21°C)

Setting Time [ASTM C-191]	
Initial Set	25 min
Final Set	40 min
Compressive Strength [ASTM C-109 (mod.)]	
3 hours	1000 psi (6.9 Mpa)
24 hours	1500 psi (10.3 Mpa)
7 days	2000 psi (13.8 Mpa)
28 days	3000 psi (20.7 Mpa)



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SURFACE PREPARATION:

Bonding surfaces must be clean, sound and free from any materials that may inhibit bond, such as oil, dirt, asphalt, sealing compounds, acids, wax and loose debris. Do not use acid etching, solvents or adhesive removers as means of cleaning the substrate. Smooth concrete surfaces should be mechanically abraded by scarifying, grinding, shot blasting or other approved methods. The minimum temperature for the substrate must be 50°F (10°C). In hot ambient temperatures, pre-wet the substrate with water before applying Rapid Set[®] SKIM COAT. Concrete substrates should be free of hydrostatic pressure.

FIELD TESTS:

Conduct field tests using the prepared substrate and finished floor covering to determine if Rapid Set SKIM COAT is suitable for your intended use.

MIX:

Mix using a ½" drill mixer with a mixing paddle or a margin trowel for small jobs. Use 4 quarts of clean water per 20-lb bag. First add the water to mixing container, and then add the dry Rapid Set SKIM COAT. Mix for 2 to 3 minutes. Do not add additional water after initial mixing. Adding more water than recommended may induce clumps and air voids in the finished product.

Do not add any additives or admixtures except Rapid Set[®] SET CONTROL[®] retarding admixture to extend working time and Rapid Set[®] FLOW CONTROL[®] to increase the flow of the product. Contact CTS Cement for more information about the use of these additives.

PLACING:

After mixing, screed, trowel and/or float to achieve the desired finish. The working time of Rapid Set SKIM COAT is approximately 15-20 minutes at 70°F (21°C) ambient temperature.

CURE:

Rapid Set SKIM COAT does not require water curing or curing compound.

COVERAGE & PACKAGING:

Rapid Set SKIM COAT is available in 20-lb (9.1-kg) bags. One 20-lb bag will have skim coat coverage of 66.6 ft² at 1/8" depth or 33.4 ft² at ¼" depth. Coverage may vary due to jobsite conditions.

USER RESPONSIBILITY:

Before using Rapid Set products, read current technical data sheet, bulletins, product label and material safety data sheet at www.ctscement.com. It is the user's responsibility to review instructions and warnings for any Rapid Set product in current technical data sheet, bulletins, product packaging and material safety data sheet 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 moderate irritation to 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. Wash skin areas exposed to wet concrete 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 MSDS 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, 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.

