



# CAM HOT SET

## MANUFACTURER

A.W. Cook Cement Products  
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## DESCRIPTION

CAM HOT SET is a blend of pure fused Calcium Aluminate cement, fibers and set accelerators that produce a rapid setting, rapid strength gain mortar that is especially useful for patching manholes, benches, inverts, lift stations or any concrete repair where a fast setting, calcium aluminate mortar is needed.

## SURFACE PREPARATION

Remove all loose concrete, brick or mortar from affected area by mechanical means. Surfaces shall be free of paints, oils, dirt, dust, curing compounds, sealers, form release agents or any material that would prevent mortar from coming into contact with the open pores of the concrete. Shot blasting, sandblasting, chipping and high pressure water blasting (3500 PSI) are all excellent surface preparation methods. Smooth concrete surfaces may require etching with muriatic or sulfamic acid, then thoroughly cleaned with pressure washer. Dampen area to achieve a saturated, surface dry condition (SSD). Leaving no puddles.

## MIXING & APPLICATION

CAM HOT SET is for hand application only and should not be pumped due to its' rapid setting capabilities. Allow a minimum of 1 ½ to 2 hours (depending on temperature) before subjecting CAM HOT SET to active flow. NOTE: [The material will flash set if contaminated with Portland cement.] Make sure all equipment for mixing are free from any Portland cement or products that contain Portland cement. Begin by adding 1 gallon clean water to mixing vessel and then add 1 bag (60#) Silatec CAM HOT SET. Adjust water as needed (up to 1.25 gallons) to provide proper consistency for application. Apply in successive lifts to desired thickness. Use brush, float or trowel to achieve desired texture.

## CURING

Damp curing or use of a curing compound, that complies with ASTM C-309, may be necessary to prevent rapid drying of mortar. Curing compounds may need to be removed prior to coating. Replace manhole cover as soon as troweling is finished.

## LIMITATIONS

Ambient and surface temperatures must be 38° F and rising during application. Protect from rain until initial set has been achieved. To avoid flash setting Do Not contaminate CAM HOT SET with Cemtec Hydraulic cement, Silatec MSM, Rapid Cure Vertical or ordinary Portland cement.

Minimum thickness: ½ inch

Maximum thickness: 4 inches in successive applications.

## STORAGE & HANDLING

**A. Shelf life:** 12 months in the original unopened container.

**B. Storage:** Store in a dry area away from direct sunlight. The product should be conditioned to between 40° F and 95° F before use.

## HEALTH AND SAFETY

**A. Health Precautions:** This product contains Calcium Aluminate cement and crystalline free silica. Avoid breathing the dust. Exercise care, as with handling any chemical construction product.

**B. Safety Precautions:** Use adequate ventilation. Use of a NIOSH/ MSA approved dust respirator, safety goggles and chemical resistant gloves are strongly recommended. Remove contaminated clothing immediately.

**C First Aid:** Skin Contact: wash thoroughly with soap and water. Eye Contact: flush immediately with water and contact a physician. Respiratory Problems: remove affected person to fresh air immediately and contact a physician. Hygiene: wash hands immediately after use. Wash clothing before reuse.

**D. Spills:** Collect in appropriate container. Uncured material may be removed with water.

**E. Disposal:** Dispose of in accordance with local, state or federal regulations.



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**F. Warning:** KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY BY A QUALIFIED TECHNICIAN. Consult the Material Safety Data Sheet for further health and safety information.

## PACKAGING

60 lb. / 27 kg multiwall bags.

## TECHNICAL DATA:

### COMPRESSIVE STRENGTH

ASTM C-109 (modified)

2 Hr. 1600 PSI

24 Hr. 5000 PSI

28 Day 9000 PSI

### SHRINKAGE

ASTM C-596

28 Day 0.0%

### BOND STRENGTH

ASTM C-882 (modified)

28 Day 3000 PSI

Unit Weight 127.2 lbs/cf

Initial set @ 75° F

20 minutes

Final set @ 75° F

35 minutes