



HARTLINE PRODUCTS CO., INC.

4568 MAYFIELD ROAD, SUITE 202
CLEVELAND, OHIO 44121-4050



TEL: (216) 291-2303
FAX: (216) 291-4482

KWIXSET

FAST-SETTING

EXPANDING

EXTERIOR ANCHORING AND PATCHING CEMENT

Easy-to-apply KWIXSET has hundreds of practical uses in home and industry. Mixed to a workable mortar-like consistency, KWIXSET sets in 15 – 20 minutes and hardens to stone-strength in an hour. An expanding element in KWIXSET offsets drying shrinkage often found in similar products and causes it to grip imbedded items and surrounding material with bulldog tenacity.

KWIXSET quickly and firmly imbeds objects like hand-rails, bolts, brackets or fixtures in concrete. Bond is strong and durable and defies severe strain, stress and vibration.

KWIXSET makes fast work of repairing holes and cracks in walls, ceilings and interior floors. A patch or plug of KWIXSET locks itself into place by expanding within the void and will not crack or let go when subjected to normal heat or pressure. KWIXSET should be installed at above-freezing temperatures, until KWIXSET sets. Tests show successful placements are made at temperatures above 40°F.

Conveniently packaged in 25, 50 and 125-lb. packages, KWIXSET meets every need from the do-it-yourself project to the stern realities of plant maintenance. Mixing KWIXSET is an easy job for the most inexperienced person. Merely add water until you get the proper consistency for the job at hand.

KWIXSET IS RECOMMENDED

FOR SETTING

Anchor Bolts
Awning Brackets
Electrical Fixtures
Plumbing Fixtures
Machine Bases
Conveyor Structures
Steel Door Frames
Porch Railings
Grab Bars
Sign Brackets
Automatic Washers

Cellar Posts
Stanchions
Columns
Clothesline Hooks

FOR REPAIRING

Cracked Walls
Holes in Floors
Settlement Cracks
Plumbing Openings

DIRECTIONS

HOW TO MIX

Pour enough KWIXSET for the job at hand into a clean container. Don't mix more than can be applied in ten minutes. Setting time may vary depending on the temperature. Gradually add water until the desired consistency is reached. **DO NOT USE TOO MUCH WATER.** You do not need a lot of water to achieve a pourable consistency. See below:

- **FLUID CONSISTENCY** for pouring, requires about 4 oz. of water per pound of KWIXSET. Stir the mix as water is added. Final consistency should be a thick paste similar to pancake batter. If it is too watery, add more KWIXSET.
- **PLASTIC CONSISTENCY** for troweling requires about 3 1/2 oz. of water per pound of KWIXSET. Work the mix to a putty-like firmness, kneading it with the hands if necessary. If too fluid, add KWIXSET sparingly.

ANCHORING EMBEDDED ITEMS IN CONCRETE

- Concrete must cure for at least 28 DAYS prior to installation.
- Drill Hole - Blow out dust and cuttings.
- Fill hole with water and scrub interior surfaces.
- Wipe out excess water leaving hole damp.
- In floors, position embedded item in hole and pour fluid KWIXSET around it.
- In walls or ceilings, fill hole with plastic KWIXSET and press or tamp embedded item into position. If KWIXSET is too fluid and sags, let it stand a few minutes; then smooth with trowel or putty knife.
- Support embedded items until KWIXSET has set (approximately 15 – 20 minutes).
- Don't put strain on embedded items for an hour.
- If using at temps below 40°F, warm the surrounding concrete hole with a torch, use hot water when mixing, and keep the poured KWIXSET warm with blankets or other means until it sets.

PATCHING CRACKS AND HOLES IN CONCRETE

- Remove loose and fractured material in and around void to be patched.
- Chisel edges of void so that no part of KWIXSET patch is less than 1/2 inch deep. Feather edges should be avoided.
- Blow chips and dirt out of void. Remove any grease with caustic solution and scrape, if necessary, to provide clean interior surfaces.
- Keep void and surrounding area damp, but avoid water accumulation.
- Place a small amount of KWIXSET in void and scrub it into interior surfaces to insure bond.
- For floors, fill void with fluid consistency KWIXSET. For walls and ceilings, fill void with plastic consistency KWIXSET.
- After about ten minutes, smooth with trowel.
- After about thirty minutes, sprinkle patch with water, then light traffic may traverse floor patches. After one hour, resume normal traffic.
- For large patching jobs, sand and aggregate may be added per specifications.

CAUTION: KWIXSET HAS VERY STRONG EXPANSION PROPERTIES WHICH GENERATE THE HIGH TENSILE LOADS THAT CAN BE ACHIEVED. THEREFORE, WE DO NOT RECOMMEND ITS USE IN HOLLOW BRICKS, CONCRETE BLOCK, LIMESTONE OR GRANITE. DO NOT USE FOR ANCHORING IN CONCRETE THAT IS NARROW ON TOP, SUCH AS HANDICAP RAMPS, CONCRETE CONSTRUCTION BARRIERS OR WALLS. ALWAYS LEAVE AT LEAST 4 INCHES FROM THE EDGE HOLE TO THE OUTSIDE EDGE OF THE CONCRETE.