



# V-KRETE V/O VERTICAL OVERHEAD MORTAR

## PRODUCT DESCRIPTION

V-KRETE V/O Vertical Overhead Mortar is a single component, polymer-modified, cement-based mortar for structurally repairing deteriorated concrete. Use on vertical or overhead surfaces for repairs from feather edge to 2 inches (6 to 51mm) or apply in lifts for deeper applications.

## WHERE TO USE

- Vertical & Overhead Surfaces
- Stem Walls
- Slats Edges
- Beam and Soffit Repairs
- Retaining Walls
- Tuck Pointing
- Retaining Walls
- Building Facades
- Bridge Piles and Piers

## YIELD

50 lb. (22.7 kg) bag yields approximately 0.45 cubic feet (.0127 cubic meters).

## TECHNICAL DATA

Time of Setting- min. at 75° F (23.8° C)

Working Time: 20-30 Minutes

Initial Set: 25 Minutes Final Set: 45 Minutes

Compressive Strength- ASTM C109:

3 Hour - 3,000 psi (20.7 MPa)

1 Day - 5,000 psi (34.5 MPa)

7 Day - 6,000 psi (41.4 MPa)

28 Day - 7,000 psi (48.3 MPa)

Slant Shear Bond Strength- ASTM C882

28 Day - 3,500 PSI (24.1MPa)

## FEATURES

- Integral Corrosion Inhibitor
- High Bond Strength
- Polymer-Modified
- Low Shrinkage
- Non-Sag, Low Slump
- 2" Hang in One Vertical Lift
- Easy-to-Use One Component
- Fiber Reinforced

## SHELF LIFE & STORAGE

- 12 mos. properly stored
- Store in a dry, cool weather-proof area  
Store product at temperatures between 40°F and 90°F (4.4°C and 32°C).

## PACKAGING

- 50 lb. pail (#VTK1016)

## APPLICATION TEMP. RANGE

- 50° F to 90° F (Hot weather placement procedures recommended above 90° F).

## LIMITATIONS/WARNINGS

Apply only when the surface and ambient temperature is 50°F (10°C) and rising.  
Do not add more water than specified. Do not over mix or retemper. **Do not add to a dry substrate.**



# V-KRETE V/O VERTICAL OVERHEAD MORTAR

## MIXING

Mix VANTEK V/O Mortar at a preconditioned temperature of  $71 \pm 5^\circ$  F ( $22 \pm 3^\circ$  C).

Use straight water.

**Small Batches:** Mix 1-quart water to 4.5-5 quarts mortar.

**Large Batches:** Mix 3-3.5 quarts water to 50 lbs. (27.2 kg.) mortar.

Adjust slightly with liquids or mortar for desired mix.

Mixing must be achieved mechanically using a slow speed, 1/2" drill and mixing paddle. Mix up to 4 minutes to a uniform lump-free consistency. **Note: In Hot Weather, add 1 pouch of SLOW SET Additive per gallon of water to extend the working time 15-20 minutes. Just dissolve the SLOW SET into the mixing water.**

## APPLICATION

Concrete substrate must be structurally sound and have attained design strength. Remove all loose or unsound concrete, dust, debris, and other bond inhibiting contaminants from surfaces. Remove all oxidation and rust from exposed rebar and coat using VANTEK RUST STOPPER. Dampen the area to be repaired so that the pores of the concrete are filled with water. **IMPORTANT:** Work a scrub coat of the mixed material into the substrate to ensure intimate contact and establish bond. Complete the repair while the scrub coat is still wet and trowel to the desired finish. The Overhead Mortar can be applied to a thickness of 2 inches (51mm) in one lift. For application depths greater than 2 inches (51mm) apply VANTEK V/O Mortar in successive lifts. Applications made during temperatures below  $50^\circ\text{F}$  ( $10^\circ\text{C}$ ) or above  $85^\circ\text{F}$  ( $29^\circ\text{C}$ ) should follow appropriate application guidelines.

## CLEAN UP

Clean tools and equipment with clean water immediately after use. Cured material must be removed mechanically.

## CAUTION

### Safety Considerations

- Use adequate ventilation.
- Use of NIOSH/MSHA approved dust vapor respirator, safety goggles and protective gloves are recommended.

### First Aid

- **EYE CONTACT:** Flush immediately with water for at least 15 minutes. Contact physician immediately.
- **RESPIRATORY CONTACT:** Remove person to fresh air. If the discomfort persists, breathing difficulty occurs, or if swallowed seek medical attention.
- **SKIN CONTACT:** Remove any contaminated clothing. Wash skin thoroughly with soap and water. If irritation persists, seek medical attention.

**KEEP CONTAINER TIGHTLY CLOSED - KEEP OUT OF REACH OF CHILDREN - NOT FOR INTERNAL CONSUMPTION - FOR INDUSTRIAL USE ONLY**

## LIMITED WARRANTY

Vantek warrants for a period of one (1) year that its products will be free of manufacturing defects and will be in conformity with published specifications when handled, stored, mixed, and applied in accordance with recommendations of Vantek. If any product fails to meet this warranty, the liability of Vantek will be limited to replacement of any non-conforming material if notice of such non-conformity is given to Vantek within (1) one year of delivery of materials. Vantek may in its discretion refund the price received by Vantek in lieu of replacing the material. No customer, distributor, or representative of Vantek is authorized to change or modify the published specifications of this warranty in any way. No one is authorized to make oral warranties on behalf of Vantek. In order to obtain replacement or refund the customer must provide written notice containing full details of the non-conformity. Vantek reserves the right to inspect the non-conforming material prior to replacement. EXCEPT FOR THE EXPRESSED WARRANTY STATED ABOVE, THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. VANTEK'S OBLIGATION SHALL NOT EXTEND BEYOND THE OBLIGATIONS EXPRESSLY UNDERTAKEN ABOVE AND VANTEK SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO THE PURCHASER OR ANY THIRD PARTY FOR ANY LOSS, COST, EXPENSE, DAMAGE OR LIABILITY, WHETHER DIRECT OR INDIRECT, OR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.