



V-KRETE LEVELER

PRODUCT DESCRIPTION

LEVELER is a two-component, rapid setting, low shrinkage mortar that is used to overlay existing pavements and floors. LEVELER is mixed with A.R.C. (Acrylic Resin Concentrate) on site and is placed with suitable placement equipment and finished to the desired texture. Apply LEVELER at 1/8 to 1/4 inch thick. For depths greater than 1/4 inch, use multiple lifts, each no thicker than 1/4 inch.

WHERE TO USE

- Resurfacing of floors and pavements
- Micro toppings/Thin bonded overlays
- Aisleways/walkways
- Feed surfaces
- Industrial concrete floor repair

YIELD

- 1/8 - in ~33 Sq. ft.
- 1/4 - in ~17 Sq. ft.

TECHNICAL DATA

Time of Setting- min. at 72° F (22° C)

Initial Set: 20-30 Final Set: 35-45

Unit Weight: 50 lbs. (22.7 kg)

Compressive Strength- 2-in cubes 3 Hour - 3,160 psi (21.8 MPa)

1 Day - 7,400 psi (51 MPa) 7 Day - 9,000 psi (62.1 MPa) 28 Day - 10,150 psi (70.0 MPa)

Shear Bond Strength- 3-in by 6-in Cylinders

3 Hour - 850 PSI (5.9 MPa) 24 Hour - 1,350 PSI (9.3 MPa)

Flexural Strength- 1 Day - 1,350 PSI (9.3 MPa)

28 Day - 1,700 PSI (11.7 MPa)

FEATURES

- Fast Setting: Structures can be opened for pedestrian traffic in less than 1-hour, vehicular traffic in less than 3 hours
- Very low shrinkage
- Low permeability and improved overall durability
- Excellent resistance to freeze/thaw
- Excellent workability
- Made in U.S.A.

SHELF LIFE & STORAGE

- 12 mos. properly stored
- Store in a dry and clean area

CURING/PROTECTION

No curing necessary. Protect fresh mix from traffic until the surface is strong enough to withstand loads without scarring

APPLICATION TEMP. RANGE

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

PACKAGING

V-KRETE LEVELER MORTAR

50 lb./22.7 kg bag (#VTK1010) 56/pallet

50 lb./22.7 kg powder in pail (#VTK1018) 24/pallet

3,000 lb./1361 kg bulk bag (#VTK1015)

A.R.C. (ACRYLIC RESIN CONCENTRATE)

1 gal/3.79 liter (#VTK1008C) 2/case or 60/pallet

5 gal/18.93 liters (#VTK1007C) 24/pallet

Optional SLOW SET

1 Pouch (#VTK1008) 50 Pouch/Box

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 apply to a dry substrate.

Avoid exposing material to high moisture, rain, or snow. Store in cool, dry, interior area.

Apply LEVELER at 1/8 to 1/4 inch thick. For depths greater than 1/4 inch, use multiple lifts, each no thicker than 1/4 inch.



SURFACE PREPARATION

Concrete must be sound and fully cured (28 days). Remove all unsound concrete, laitance, oil, grease, curing compounds and other contaminants that could prevent adequate bond. USE PREP & ETCH to clean surface - mix 1 part acid to 1 part water. Rinse thoroughly. For a more durable repair, saw cut the concrete 1/4" in depth around perimeter of area being patched.

NOTE: Priming with A.R.C. is advisable to wet the surface until SSD (surface saturated dry). Spray or roll coat the resin or water uniformly without puddling.

MIXING

A.R.C. (Acrylic Resin Concentrate) Liquid Admix Liquid Admix Preparation:

Pre-mix one (1) gallon of A.R.C. Liquid Admix as follows:

- 1 quart A.R.C. concentrate
- 3 quarts clean water

Mix thoroughly prior to use.

Mortar Mixing Ratio

For each 50 lb. (27.2 kg) bag of mortar:

- Add 3.5 quarts of the prepared A.R.C. Liquid Admix mixture.
- Up to 4 quarts total liquid may be used if additional flowability is desired.

Adjust liquid slightly as needed to achieve the desired consistency.

Do not overwater.

Mixing Procedure

Mix mechanically using a slow-speed 1/2 in. drill with a mixing paddle for 2-3 minutes, or until a smooth, lump-free consistency is achieved.

Use immediately after use. LEVELER is a semi-self-leveling material and should exhibit a flowable/fluid consistency when properly mixed.

Note: In Hot Weather, add 1 pouch of SLOW SET Additive per gallon of mixing liquids to extend the working time 15-20 minutes. Just dissolve the SLOW SET into the mixing liquids.

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

APPLICATION

Apply the mixed mortar onto a damp or surface-primed substrate (**DO NOT APPLY MORTAR TO A DRY SUBSTRATE**). Typically, layers of up to 1/4" thickness each are placed using a squeegee and trowel. For depths greater than 1/4 inch, use multiple lifts, each no thicker than 1/4 inch. Tapered rounded edge asphalt sealer squeegee or magic trowel can be used for application. Complete by applying a desired finish or texture within the working time of the mortar. Use a straight trowel for smooth finish or use a broom, brush or notched trowel for textured finish.

CLEAN UP

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

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.