

### PRODUCT DESCRIPTION

VertiPatch is single-component; polymer modified vertical and overhead repair system. VertiPatch forms an integral bond to existing concrete, develops rapid strength and restores structural integrity.

### GENERAL USES

For use over concrete: above, on or below-grade vertical and overhead surfaces. Applications thickness can be from 1/4" to 12" by applying layers. VertiPatch is a very dense material and provides protection against moisture.

### FEATURES

- Just add water
- Easily applied
- Permanent repair
- Rapid strength
- High bond strength
- Dimensionally stable
- Freeze/thaw resistant
- Exterior or interior applications
- Apply up to 2" in one lift

### STANDARDS

ASTM C 928 modified

### INSTRUCTIONS FOR USE

#### **Surface Preparation:**

Remove all unsound concrete, dirt, oil, grease and all material that may inhibit bonding. The surface should be profiled by mechanical means with a minimum profile of 1/8". Substrate should be saturated surface dry (SSD) without any standing water during application.

#### **Mixing:**

For application where more than one unit is used it is recommended that a mortar mixer be used. Wet down all tools and mixer. With mixer running, add minimum amount to water to produce a stiff, plastic consistency, followed by dry powder. Allow to mix for 2 to 5 minutes. Add more water if required. DO NOT exceed 7 pints of water per 50 pounds. Mix only enough material that can be placed in twenty minutes.

Quantities of one unit or less should be mixed with a low speed drill equipped with a paddle mixer.

#### **Application:**

At time of application the surface should be saturated surface dry (SSD) with no standing water. Scrub mortar into the substrate, filling all pores and voids. Working from the edge of the repair, force the material into the corners and work toward the center. VertiPatch, each lift should not be less than 1/4" although this may vary slightly depending on the repair area. With multiple lifts, score the top surface of each lift to produce a roughened surface for the next lift. Saturate with water and scrub fresh mortar into the preceding lift. Allow mortar to set to desired stiffness and then finish as required.

NOTE: 1. Single lift applications are preferred with VertiPatch.

The bond is achieved with the scrub coat on a properly prepared surface.

#### **Curing:**

VertiPatch is self-curing.

#### **Cleaning:**

Water cleanup prior to cure.

### PACKAGING

- 50 lb. bags

### LIMITATIONS/WARNING

Minimum ambient and surface temperature of 40°F and not to decrease during the application and setting period.

- Do not featheredge.
- Do not over water or retemper.
- Apply only on sound, properly prepared concrete surfaces.
- Must be mixed to uniform consistency.
- Refer to material safety data sheet prior to use.
- Avoid direct contact with skin and eyes.
- Product contains Portland Cement.

**TYPICAL PERFORMANCE DATA 72° OF 50% RH  
7 PINT (7.3 LBS; 3.3 KG) OF WATER PER 50 LB BAG OF VERTIPATCH**

<b>PLASTIC</b>	<b>HARDENED PROPERTIES OF VERTIPATCH</b>						
Working Time 10-12 min.	Properties	Method ASTM	3 hours PSI/MPa	24 hours PSI/MPa	3 days PSI/MPa	7 days PSI/MPa	28 days PSI/MPa
Set Time ASTM C-266 initial - 18 min. final - 22 min.	Compressive Strength	C-109	1500/10	3000/21	4000/28	5000/35	6500/45
Flow ACTM C-928	Split Tensile Strength	C-496	—	—	390/3	—	520/4
Durability ASTM C-672, 50 cycles visual rating 0-1							
Packaging - 50 lb. bag (22.7 kg bag)	Slant Shear Bond	C-1042	—	970/7	—	1400/10	1800/12
Yield - .41 cu ft/50 lb. bag (0.011cu m/22.7 kg)	Length Change	C-157	—	—	—	—	0.002%

- May cause irritation and possibly cement burns.
- Wash exposed skin area promptly with water.
- In case of eye contact, flood eyes repeatedly with water and call physician.
- Do not take internally.
- Harmful if ingested.
- Keep product out of reach of children.
- Consult material safety data sheet prior to use.

**TECHNICAL SERVICES**

Adhesive Technology's Technical Service Department provides complete product and technical support.

LIMITED WARRANTY NOTICE — Adhesives Technology warrants that at the time and place we make shipment, our materials will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM OR TRADE OR OTHERWISE. As the exclusive remedy for breach of this Warranty, we will replace defective materials, provided, however, that the buyer examine the materials when received and promptly notify us in writing of any defect before the materials are used or incorporated into a structure. Twelve (12) months after Adhesives Technology has shipped the material, all our Warranty and other duties with respect to the quality of materials delivered shall conclusively be presumed to have been satisfied, all liability therefore terminates, and no action for breach of any duties may there-after commence. Adhesives Technology shall in no event be liable for consequential damages. Unless otherwise agreed to in writing, no warranty is made with respect to materials not manufactured for Adhesives Technology. We cannot warrant or in any way guarantee any particular method of use of application or the performance of materials under any particular condition. Neither this Warranty nor our liability may be extended or amended by our salespeople, distributors or representative or by any sales information or drawings.

