

TECHNICAL DATA

High Impact (New & Improved)

PRODUCT DESCRIPTION:

High Impact (New & Improved) patch kit consists of a two component polymer packaged with aggregate for patching and repairing concrete

RECOMMENDED FOR:

Industrial repairing of spalled concrete, holes, cracks and thresholds or uneven concrete slabs .

NOT RECOMMENDED FOR:

Expansion Joints.

SOLIDS BY WEIGHT:

Nearly 100% cured

VOLATILE ORGANIC CONTENT:

5.5 grams per liter cured

STANDARD COLORS:

Gray colored when mixed and cured. The gray color will not develop until the curing process takes place.

RECOMMENDED THICKNESS:

The High Impact patch kit can be applied at variable thicknesses.

COVERAGE PER KIT:

Coverage is dependent on hole size or size of area to be repaired.

PACKAGING

Packaged in a kit consisting of a ½ pint of part A, ½ pint part B and ½ gallon of blended sand – packaged in gallon pail.

MIX RATIO:

The liquid mix ratio is 1:1 by volume

SHELF LIFE:

1 year in unopened containers

SHORE D HARDNESS:

71

TENSILE STRENGTH:

4,500 psi

ELONGATION:

5-6%

IMPACT RESISTANCE:

excellent

ABRASION RESISTANCE:

excellent

COMPRESSIVE STRENGTH:

4,400 (as a slurry with aggregate sand)

BOND STRENGTH:

535 psi (concrete failure)

DOT CLASSIFICATION:

Part B "not regulated"

Part A "not regulated"

VISCOSITY:

Less than 30cps typical

CURE SCHEDULE:

pot life (100 gram mass)1-4 minutes @ 70⁰ F
recoat or topcoat.....1 hour @ 70 degrees F
light foot traffic.....10-20 minutes @ 70 degrees F
(heavy traffic)...1 hour @ 70 degrees F

APPLICATION TEMPERATURE:

20-90 degrees F (lower temperatures will require additional cure time)

PRIMER:

Self priming

TOPCOAT:

None required. However, many types of products can be used as coatings or overlays for the area that has been patched.

LIMITATIONS:

Because of the quick cure time for this product, it is best to work with one small area at a time.

Typical working time after the three components are mixed according to directions is about 1-3 minutes..

Color stability may be affected by environmental conditions such as UV light, high humidity or chemical exposure. Product is not UV color stable.

Product may discolor if exposed to certain types of light such as sodium vapor lighting.

Final cured product colors may vary from batch to batch and be influenced the by silica aggregate when used.

Substrate temperature must be 5⁰ F above dew point.

All new concrete must be cured for at least 30 days prior to application.

When applying material in cold areas, make sure the surface is clean and dry. Also, it is best to keep the material and aggregate sand at normal room temperature before mixing or use..

See reverse side for application instructions.

Test data based on neat resin unless otherwise noted.

Physical properties are typical values and not specifications.

INSTRUCTIONS

1) PRODUCT STORAGE:

Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be above 55⁰ F to prevent product crystallization.

2) SURFACE PREPARATION:

All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. For repair of spalled concrete, a stiff wire brush can be used to remove all loose concrete. After wire brushing the spalled area, remove all loose dust and debris with an industrial vacuum.

3) PRIMER:

The material is self-priming.

4) PRODUCT MIXING:

The product has a 1:1 liquid mix ratio by volume. Mix only an amount of material that can be used in 1-3 minutes. Mix the liquids (½ pint part A and ½ pint part B) for 15 seconds and immediately add in the ½ gallon blended aggregate and remix.

5) PRODUCT APPLICATION:

Immediately after the three components are mixed, (Product has a very short pot life), place the material into the area to be repaired with a trowel or other suitable equipment. Finally, trowel the floor to smooth out the area and remove any excess material. Allow the material to cure for ten to twenty minutes before foot traffic. For heavy equipment such as fork trucks, allow the material to cure for a half hour to an hour before using area that has been patched.

Warranty

V8 High Performance Floors coating products are manufactured to meet manufacturer's specifications at time of shipment, which may be subject to change without notice. Warranty described herein shall be in lieu of any and all other warranties, including but not limited to warranties of merchantability or fitness for any particular purpose. No warranties extend beyond the description in this document. Buyer's recourse shall be replacement of product in the event of defective condition, from a period of one year from date of sale. No other remedy, at law or in equity including but not limited to incidental, consequential or compensatory damages for lost profits, lost sales, injury to person or damage to property or any other loss shall be available to buyer(s) under any theory of the law. Final determination of the suitability of the product for the use contemplated by buyer(s) and the manner of use by buyer(s) shall be the sole responsibility of the buyer(s). Manufacturer shall in no manner be responsible for nor be required to indemnify buyer(s) for any action or claim reasonably due to an error by buyer(s) in arriving at such final determination by buyer(s).