

SPECCRETE® V-40

SINGLE COMPONENT POLYMER MODIFIED PATCHING MORTAR

PRODUCT DESCRIPTION: Specco Speccrete® V-40 Vinyl Patch is a polymer modified cement based compound formulated for patching and repairing concrete and masonry surfaces. Speccrete® V-40 may be used from feather edge to 1" thickness, for interior and exterior, above or below grade vertical and horizontal repairs. Typical uses include resurfacing and leveling, filling small holes or spalls, honeycombs, and crack repair.

BENEFITS: FEATHER EDGABLE UP TO 1" INCH LAYERS...LIGHT GRAY COLOR...EXTENDED FINAL SET FOR PROLONGED WORKING & FINISHING TIMES...CREAMY FINISH...REQUIRES ONLY POTABLE WATER FOR MIXING...POLYMER MODIFICATION IMPROVES SURFACE BOND STRENGTH & FREEZE THAW / SCALING RESISTANCE

COMPOSITION: Portland cement, selected aggregates and dried polymeric bonding agents.

TECHNICAL DATA:

WORKING & PERFORMANCE PROPERTIES @ 70° F (21° C) (APPROXIMATE):	
Yield per 55 lb. Bag:	0.50 cubic feet
Coverage per 55 lb. Bag:	24 square feet at ¼ inch thickness
Initial Set per ASTM C-403:	30 Minutes
Final Set per ASTM C-403:	80 Minutes

COMPRESSIVE STRENGTH PER ASTM C-109:	
8 hours:	1850 p.s.i. (22.7 Mpa)
1 day:	3800 p.s.i. (46.7 Mpa)
7 days:	5510 p.s.i. (67.6 Mpa)
28 days:	6680 p.s.i. (82.1 Mpa)

SLANT SHEAR BOND STRENGTH PER ASTM C-882:	
1 day:	1510 p.s.i. (18.5 Mpa)
7 days:	3950 p.s.i. (48.5 Mpa)
28 days:	6170 p.s.i. (75.8 Mpa)

SCALING RESISTANCE PER ASTM C-672:	Visual rating = 1 (25 cycles)
FREEZE-THAW DURABILITY FACTOR ASTM C-666:	98.62 (300 cycles)

*All tests above were run at 15.66 % water to powder ratio (8.58 lbs. water / 55.0 lbs. powder)

DIRECTIONS FOR USE: All areas to be patched shall be clean and free of oil, grease, dirt, deteriorated concrete and all contaminants. Abrade or acid etch slick surfaces to ensure proper bond. When the temperature is above 40° F, pre-wet the prepared area with potable water before applying Speccrete® V-40. Any excess water should be blown or swept away to prevent dilution of the material. Speccrete® V-40 will require approximately 4.10 to 4.30 quarts of potable water per 55 lb. bag. Specco recommends a stiff mix which is achieved by using less water. Mix small quantities in a clean container with a hand trowel or in a wheelbarrow with a mud hoe. Use a rotary mixer with rubber tip blades for mixing large quantities, up to 110 lbs. Place Speccrete® V-40 immediately after mixing. Finish with conventional concrete finishing tools taking care not to over trowel the fresh material. Allow the Speccrete® V-40 to air cure at least 2-3 days before sealing. Do not wet cure. Protect the freshly placed Speccrete® V-40 from traffic, rain, freezing, and hot weather.

DIRECTIONS FOR USE (continued): Use Specco Envirocure 309, Envirocure 1315 or similar water base sealers if a sealer is to be applied at a later time. Speccrete® V-40 will support light foot traffic in eight hours and vehicular traffic after twenty four hours.

CAUTIONS: Use only potable water for mixing. Do not re-temper. Adding additional water over what is recommended will delay set times and reduce overall strength gain. Do not apply Speccrete® V-40 if the temperature is below 45° F. Do not apply to frozen or frost filled surfaces. Do not wet cure. Do not use solvent based sealers over polymer modified materials.

WARNINGS: Contains cement and silica, avoid inhalation of dust. Wear gloves, safety goggles, and OSHA approved dust respirator during mixing and placement. Refer to product M.S.D.S. (Material Safety Data Sheet) for additional safety information. Do not take internally. Avoid prolonged contact with skin. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.

NPCS HMIS SAFETY RATINGS: HEALTH = 2, FLAMMABILITY = 0, REACTIVITY = 0, P. PROTECTION = E

PACKAGING: 10 # (4.54 kg) cans, 55# (25 kg) bags

STORAGE: 40° to 90° F

SHELF LIFE: 1 year properly stored

FREIGHT CLASS: Class 50

LIMITED WARRANTY: This product is warranted to be of merchantable quality when used according to the instruction herein. It is not warranted to be suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of the product as purchased, if found to be defective upon inspection by the manufacturer. This limited warranty is issued and accepted in lieu of all other expressed warranties and explicitly excludes liability for consequential damages. Buyer assumes all risk and liability resulting from the use of this product.

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