

SPECCRETE® P-100 HB

HIGH BUILD CEMENT BASED TROWEL AND SPRAY APPLIED COATING FOR CONCRETE & MASONRY

PRODUCT DESCRIPTION: Specco Speccrete® P-100 HB is a blended Portland cement based compound formulated to fill, seal, and protect vertical, overhead, and non-traffic bearing horizontal concrete and masonry surfaces. Speccrete® P-100 HB is applied by either trowel or spray applications and is used interior or exterior, above or below grade where a textured, breathing, decorative coating is required. Typical applications include: foundations, concrete and masonry walls, parapets, median barriers, water tanks and reservoirs, tunnels, cisterns, retaining walls and basements. Standard colors are gray and white. Custom colors are available upon request.

BENEFITS: ECONOMICAL...WILL NOT CHIP, PEEL OR FLAKE...PROTECTS BUILDING INTERIORS FROM DAMPNESS AND MOISTURE DAMAGE...CURED COATING BECOMES AN INTEGRAL PART OF THE WALL OR SUBSTRATE...HIGHLY RESISTANT TO WIND DRIVEN RAIN AND STANDING WATER...EXHIBITS GOOD CHEMICAL RESISTANCE

COMPOSITION: Cements selected and finely graded aggregates, proprietary waterproofing agents and surface rheology modifiers.

TECHNICAL DATA:

WORKING AND PERFORMANCE PROPERTIES @ 70° F (21° C) –APPROXIMATE VALUES:	
Density (Wet mix) per ASTM C-138:	130 lbs./cu.ft. (2.08 kg. /cu. me.)
Working time (pot life):	45-90 minutes
Coverage per 55 lb bag:	47 sq. ft / 55 lb bag
Compressive Strength per ASTM C-109:	7 days = 2150 psi, 28 days = 3650 psi
Flexural Strength per ASTM C-348:	7 days = 395 psi, 28 days = 595 psi
Tensile Strength per ASTM C-190:	7 days = 300 psi, 28 days = 390 psi
Absorption per ASTM C-67:	24 hour soak= 4.7%, 5 hour boil = 5.1%
Freeze Thaw Resistance per ASTM C-672:	Loss at 50 cycles =-0.67%

*Note-Coverage will vary depending on surface texture and porosity

DIRECTIONS FOR USE

SURFACE PREPARATION: Surfaces to be coated must be structurally sound, clean and free of dirt, dust, oil, paint and all contaminates that could contribute to loss of bond of Speccrete® P-100 HB to the substrate. Roughen or blast extremely smooth surfaces such as precast or cast-in-place concrete to ensure good mechanical adhesion of Speccrete® P-100 HB. New concrete and masonry surfaces must be cured 28 days. Repair all surface defects, water leaks, cracks and voids prior to applying Speccrete® P-100 HB. Dampen the surface with potable water immediately before the application of Speccrete® P-100 HB.

MIXING: Mix 1 part Specco B-20 RTU latex with 3 parts potable water to make a mixing liquid Mechanically mix Specco Speccrete® P-100 HB using a slow speed motor and paddle mixer for best results, taking care not to over-aerate the mix. Each 55 lb. bag of Speccrete® P-100 HB will require from 4.50 to 5.50 quarts of mixing liquid for proper trowel consistency, and from 6.20 to 7.20 quarts of mixing liquid for proper sprayable consistency. Mechanically mix for 2-3 minutes, until lump free and a smooth "pancake batter" consistency is obtained. Allow the mixed Speccrete® P-100 HB to "fatten" for 8 to 10 minutes.

APPLICATION: Dampen the entire surface with potable water immediately before the application of Speccrete® P-100 HB.

TROWEL APPLICATIONS: Apply the Speccrete® P-100 HB as a base coat in lifts up to 3/8 inch. It is important to work the first coat thoroughly into the substrate to completely fill and cover all voids, holes, and non-moving cracks. Do not over trowel. Once the surface has set, use a sponge rubber float to even and uniform the texture. The first coat must cure for at least 24 hours before applying the finish coat.

SPRAY APPLICATIONS: The use heavy duty spray equipment or hopper gun is recommended. Apply with an overlapping, circular spray pattern not to exceed 3/8 inch per lift. The first coat must cure for at least 24 hours before applying the finish coat. Clean tools and mixing / spraying equipment immediately after use with water, before material hardens. Clean any spills or splatters with water before material sets.

CAUTIONS: Do not apply Speccrete® P-100 HB to frozen or frost filled surfaces or when the temperature is below 40° F. Do not apply to previously painted surfaces. Do not apply to substrates with active water leaks or moving cracks. Patch all water leaks with suitable hydraulic cement such as Speccoplug, and any cracks with an appropriate epoxy or urethane injection resin. Windy, dry, or hot conditions may require re-wetting of Speccrete® P-100 HB during cure and the use of polyethylene barriers. Higher application temperatures and low relative humidity can shorten working pot life.

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, PERSONAL PROTECTION = E

PACKAGING: 55# (25.00 kg) bags and pails.

STORAGE: 40° F (4.4° C) to 90° F (32.2° C) in a dry environment

SHELF LIFE: 1 year properly stored

FREIGHT CLASS: Item #42130, Sub 0, LTL 50 - Cement base coating material in bags or pails

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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