

# SPECCRETE® P-10

## CEMENT BASED COATING FOR CONCRETE & MASONRY

**PRODUCT DESCRIPTION:** Specco P-10 is a blended Portland cement based compound formulated to fill, seal, waterproof and protect vertical, overhead, and non-traffic bearing horizontal concrete and masonry surfaces. P-10 is used interior or exterior, above or below grade where a seamless, breathing, waterproof coating is required. Typical applications include: foundations, concrete and masonry walls, parapets, median barriers, water tanks and reservoirs, tunnels, cisterns, retaining walls and basements. P-10 may also be used to hide blemishes and surface defects in architectural concrete. P-10 can be modified with Specco B-20 RTU latex polymer solution for enhanced properties and improved durability. Standard colors are gray and white. Custom colors are available upon request.

**BENEFITS:** 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:** Complies with Federal Specification TT-P21 Type I Class A

<b>WORKING AND PERFORMANCE PROPERTIES @ 70° F (21° C) –APPROXIMATE VALUES:</b>	
<b>Density (Wet mix) per ASTM C 138:</b>	130 lbs./cu.ft. (2.08 kg. /cu. me.)
<b>Working time (pot life):</b>	45-90 minutes
<b>Yield – for a base coat @ 1/16” (1.6 mm):</b>	225 sq. ft / 50 lb bag (20.9 sq. me. / 22.7 kg*)
<b>Yield – for a topcoat @ 1/32” (0.8 mm):</b>	450 sq. ft / 50 lb bag (41.8 sq. me. / 22.7 kg*)
<b>Coverage from above applications:</b>	150 sq. ft / 50 lb bag (13.9 sq. me. / 22.7 kg*)

\*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 contaminants that could contribute to loss of bond of P-10 to the substrate. Roughen or blast extremely smooth surfaces such as precast or cast-in-place concrete to ensure good mechanical adhesion of P-10. New concrete and masonry surfaces must be cured 28 days. Repair all surface defects, water leaks, cracks and voids prior to applying P-10. Dampen the surface with potable water immediately before the application of P-10.

**MIXING:** Mechanically mix Specco P-10 using a slow speed motor and paddle mixer for best results. Mix 1 part Specco B-20 RTU latex with 2 parts potable water to make a mixing liquid. Each 50 lb. bag of P-10 will require 2.0 gallons of mixing liquid (0.5 gal B-20 and 1.5 gal water) for proper consistency. Mechanically mix for 2-3 minutes, until lump free and a smooth "pancake batter" consistency is obtained. Allow the mixed P-10 to "fatten" for 5-10 minutes. If the material is too thick, adjust to a brush consistency by adding additional mixing liquid and re-mix.

**APPLICATION:** Dampen the entire surface with potable water immediately before the application of P-10. Apply P-10 with either a mason's hand brush with stiff bristles, a larger push broom of the same bristle type, or by use of textured spray equipment. Spray applications of the first coat will require back brushing or brooming to properly fill all voids and achieve uniformity.

**APPLICATION (continued):** Apply enough material to fill the voids, placing the material into the substrate using horizontal strokes for coating consistency. 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-brush. For ordinary wall waterproofing conditions, apply Specco P-10 in two coats with 24 hours drying time between the initial coat and the finish coat. Apply the base coat at 2 lbs/ sq. yd (1.1 kg/ m<sup>2</sup>) and the finish coat at 1 lb/sq. yd (0.54kg/m<sup>2</sup>) for a total of 3 lbs/ sq. yd (1.6 kg/ m<sup>2</sup>). One 50 lb. bag of Specco P-10 will cover 150 square feet in two coats resulting in a coating approximately 1/16" thick cured nominal thickness. For severe water pressure, double the pounds per square yard or apply additional coats. If a primer is required, use Specco B-20 Concentrate and apply at approximate 100-150 square feet per gallon and allow the primer to dry before applying P-10.

**CAUTIONS:** Do not apply P-10 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 P-10 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:** 50# (22.70 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.

Revised – 01-07