

SURFACE PREPARATION

The substrate to be coated should be sound and provide suitable strength for the proposed end use with a minimum compressive strength of 3,000 psi.

Surface must be clean, sound, dry and free of all oil, grease, detergent film, sealers and/or curing compounds. A CSP 4-6 surface profile is appropriate for most applications. Anchor grooves, at least 1/2" wide and 1/2" deep, should be cut at a 6" perimeter along all walls, edges, pillars, doors, drainage channels, grid drains, and penetrative joints. All moving joints must pass through the coating and must be sealed. Anchor grooves must be cut on both sides of such joints. Bonded joints and non-moving cracks in the concrete may be coated over, but if movement occurs, the coating will also crack.

Patching, cracks, irregularities, and sloping may be filled with RhinoCrete SF, HF or epoxy mortar.

OVERVIEW

Apply RhinoCoat EP at approximately 175 to 250 sqft/gal- ONLY for extremely porous or damp surfaces.

Apply RhinoCrete SL at approximately 60 sqft per kit 1/8" thickness and 100 sqft @ 1/16" thickness.

Apply RhinoCrete TC at approximately 120 sqft/gal.

Apply RhinoCrete SF Sealer at approximately 120 sqft/gal.

MIXING/ SL APPLICATION

Do not mix this product in direct sunlight or when temperatures exceed 85 F/29.4 C. Exposure to high temperatures will greatly reduce the working time of this product. Make ready all necessary tools, mix and measure containers, etc. DO NOT MIX UNTIL READY FOR IMMEDIATE USE. Ensure all components are between 50 F/ 10 C and 85 F. RHINOCRETE SL is supplied in premeasured units consisting of one jug of double resin, one jug of double hardener, and one bag of aggregate (powder) and desired color pack. Pour resin into power mixer pail with color pack, scraping bottom and sides to assure all pigment is transferred. Color pack should be added and blended into part A before adding part B hardener. The resin and hardener should be added to a forced circulation pail mixer and pre-blended for 30 seconds. Gradually add aggregate until homogenous mix is attained. (approx 1 min) Move the paddle back and forth scraping the bottom and sides of the pail while mixing. THOROUGHLY BLENDING IS MANDATORY. A properly mixed batch trowels easier and has a uniform surface appearance. Incomplete mixing will cause an inconsistent finish and/or possible blistering. Clean mixing paddle and pail while mixing pail regularly to avoid mixing fresh material with older batches. This may result in irregular curing or blisters. Apply material immediately after mixing. Place the entire batch of mortar on the floor and spread at a desired thickness with a cam, pin or gauge rake. A trowel is then used to spread material around edges and penetrations and remove traces of the rake or joints between mixes.

Spike or loop roll the material to aid leveling and release air. Broadcast 30 mesh clean dry quartz to refusal at a rate of 1 lb. per square inch.

TC APPLICATION

Once RhinoCrete SL is cured and excess quartz is swept and vacuumed, RhinoCrete TC is to be applied. This is 4 components per kit which is a part A (resin), part B (hardener), bag of RhinoCrete TC aggregate, and a color pack. In a mixing pail add part A and color pack. Thoroughly mix the pigment into part A resin, scraping sides and bottom of pail to ensure all pigment has been mixed (approx 30 sec). Add TC aggregate to pigmented part A to form a batter-like consistency (approx 1 min). Lastly, add part B hardener to the TC mix and thoroughly mix this for another minute. Pour out entire RhinoCrete TC mix onto floor in a ribbon. Spread out evenly using rubber squeegee. Backroll with nap roller. Brush can be used to detail edges.

SEALER COAT APPLICATION

RhinoCrete SF Sealer is used to seal this Greenhouse system. RhinoCrete SF Sealer comes in premeasured kits. One unit of resin, one unit of hardener, and 2 color packs. It is supplied in a 1.75 gallon kit. When field pigmenting, it should be mixed homogeneously to the resin prior to adding the hardener. When combining, be sure to add the hardener into a clean mixing container first. Then add the resin (clear or pigmented) scraping out the container. Always pour into the center of the mixing container. Mix the components thoroughly for one minute with a Jiffy ES style mix blade. Mix only enough material at one time that can be applied without exceeding pot life. Use a squeegee and roller to apply.