



## Technical Data Sheet

## CRP BASE COAT

**DESCRIPTION:** **CRP BASE COAT** is a single component product designed for use as a thin overlay for concrete surfaces. **CRP BASE COAT** eliminates the need to remove and replace old, damaged concrete. **CRP BASE COAT** is a multi-use polymer modified cementitious topping designed to enhance and beautify the appearance of new and old worn concrete. It is used in conjunction with our concrete patch and repair products, and was designed to restore patched and repaired concrete substrate to a monolithic state. It may be broom finished like concrete, or commonly flat troweled. **BASE COAT** may be applied in several application techniques to simulate, brick, tile, flagstone, color hardened concrete, and an array of other finishes.

### TYPICAL USES:

*General concrete restoration and beautification of:*

- Swimming pool decks and walkways
- Patios, driveways, balconies and roof decks
- Stadium bleachers and food concession areas.
- Parking structures and automobile traffic surfacing.
- Plaza and sidewalk resurfacing after repair.
- Water parks and amusement parks
- Entertainment environments requiring themed flooring.
- Restaurants, bars, casinos, etc.

**CRP BASE COAT may also be sprayed to produce a wide range of skid - resistant profiles.**

**Extremely versatile for any concrete resurfacing or repair project.**

### ADVANTAGES:

• Environmentally friendly and safe	• Flexibility
• Ready Mix Formula - Just add water	• Non-Toxic
• Superior Bonding Capabilities	• Water Resistant
• Extreme Climate Resistant	• Excellent Freeze/Thaw Resistant
• Does not re-emulsify	• Excellent for use as underlay for other coatings
• Easy to use	• Repairs & Resurface concrete cost effectively
• Fire resistant	• Can eliminate the need for replacing concrete
• Abrasion resistant	• Salt treatment resistant

### SURFACE PREPARATION:

Surfaces that are to be repaired or coated must be structurally sound. Surface damage such as delamination, cracks and spalls can typically be repaired. However, structural integrity is critical to the overall success of any coating or overlay. Remove any loose, soft or contaminated materials from the area that is to be repaired or resurfaced. Any existing coatings, sealers, curing agents, bond breakers, etc. must be removed from the surface providing direct contact with the original substrate to assure adhesion. Typical preparation methods may include scraping, water blasting, sand blasting, shot blasting, cleaning and degreasing.

**NOTE: All expansion joints must be honored.** Clean, repair and honor all control joints and expansion joints during entire application process, or mark them for honoring for after application. Clean and treat all cracks and spalls in accordance with manufacturers specifications.

### MIXING:

The amount of water required will depend upon the desired consistency and the repair or resurface requirements. Add 4 quarts of clean water to a container such as a 5 gallon pail and add 1 bag of **BASE COAT** to the water while agitating with a drill and jiffy mixer attachment. Add additional water while mixing if needed until the desired consistency is achieved. Allow material to sit for 5 minutes to allow water to saturate the fine aggregate. Add additional water as needed or when a flow able consistency is desired. For vertical or overhead repairs, a dry slump consistency is recommended (less water).

### APPLICATION:

**CRP BASE COAT** can be applied by squeegee, trowel, sprayer, broom or brush. In every application, **CRP** always recommends a light spray of water to the concrete surface prior to application of **CRP BASE COAT**. This will allow the **BASE COAT** to create a co-adhesive bond.

### REPAIRS / PATCHING:

Any structural repairs, crack treatments, patches and deep fills should be completed prior to resurfacing or squeegee applications, do not perform repairs monolithically with resurfacing procedure.

**SQUEEGEE COATS:**

A squeegee mix should be used when resurfacing in thin layers. A squeegee coat can be applied as thin as 1/32" using an asphalt squeegee. Mix BASE COAT thoroughly to desired consistency. Dampen surface to be coated with clean water. Evenly distribute material by pouring it onto the surface, spreading the material from one side of the working area across to the other side in a 6"-8" wide pour. Follow the spread immediately using a squeegee to spread the material from side to side while working towards the nearest joint or end of work area. For even application, ensure the squeegee is at a 45° to the direction of travel. If BASE COAT begins to dry, leave a residue or curdle on the surface, spray the area with a light mist of water and squeegee the material until the surface is uniform. Two or more applications are typically required to achieve a smooth, uniform finish.

**BROOM FINISH:**

To achieve a broom finish, apply the first coat with a squeegee and broom finish the second coat by pulling a concrete finish broom in the direction that you want the finish to go. Once it dries, lightly scrape the floor to eliminate the little clumps that accumulate on top.

**TROWEL FINISH:**

After the first coat, follow the directions above, material may be troweled to desired finish or texture. A trowel finish can be achieved by using a trowel instead of a broom to finish the second coat.

**SPRAY FINISH:**

Mix base coat to the desired consistency by adding up to one quart of water. Adjust the hopper gun orifice to the largest setting and spray in a circular motion to achieve desired coverage. Surface may be knocked down with a trowel or sanded to achieve desired appearance and slip-resistance.

**COVERAGE:**

Bag of BASE COAT will typically cover 250 sq. ft.\* per coat. \*Coverage rates will vary, these are approximations only. Actual coverage rates will vary due to substrate conditions and technique of application.

<b>CURE TIME</b>	<b>72 Hours</b>	<b>ODOR</b>	<b>None</b>
<b>COMPRESSIVE STRENGTH</b>	<b>6200 PSI in 7 days</b>	<b>SPECIFIC GRAVITY</b>	<b>3.16</b>
<b>BOND STRENGTH</b>	<b>325 PSI</b>	<b>PERCENT VOLATILES by VOLUME</b>	<b>0</b>
<b>STORAGE</b>	<b>Store in dry place. Do not expose to moisture.</b>	<b>APPEARANCE</b>	<b>Gray or White, in dry powder form.</b>
<b>SHELF LIFE</b>	<b>5 Years when properly stored</b>	<b>PACKAGING</b>	<b>50 lb. Bags/ 50 per Pallet</b>

**CAUTION:**

Keep out of reach of children. Do not take internally. Always use safety gloves, appropriate eye protection, and appropriate OSHA/NIOSH approved respirator in areas with poor ventilation and when exposed to spray mist both indoors and outdoors. If ingested, seek medical attention immediately.

**LIMITATIONS:**

Concrete Restoration Products aka CRP products are to be applied only when surface temperatures are above 55° F and rising and not to exceed 100°F. CRP products are not to be applied when precipitation is expected within a 24 hours following completion of application. Do not allow materials to freeze. Each CRP product acts as an inherent part of a proven system. CRP products are professional, contractor grade products. Training in these products is available. Consult Concrete Restoration Products for information and assistance locating approved contractors in your area or for training class dates.

**NOTE: Concrete Restoration Products Inc. believes this information to be true to the best of our knowledge and uniform within manufacturing tolerances. Since no control is exercised over product use, no warranty, expressed or implied is made as to the effect of such use and no liability is assumed directly or indirectly, from their use. Buyers and users are encouraged to conduct their own test prior to application.**

**WARRANTY:**

Concrete Restoration Products are warranted only when applied by Concrete Restoration Products Certified Applicators in accordance with Concrete Restorations Products specifications. No warranty applies to products applied over concrete substrates with a moisture vapor transmission exceeding (3 lbs./) (1,000 sq. ft.) of surface area. Concrete Restoration Products provides a 5 year warranty when products are applied by a certified applicator. To apply for warranty, refer to the Concrete Restoration Products Limited Warranty and form filing at [www.crpmfg.com](http://www.crpmfg.com)