



Technical Data Sheet

CRP Stamp - Stampable Overlay

Product Description

Concrete Restoration Products CRP STAMP is a multi-use thin section, poured in place, cementitious architectural decorative topping designed to give the appearance of textured stamped concrete. This produces a wide range of architectural paving finishes, such as random stone, Ashlar slate, European fan, cobble stone, and seamless texturing surfaces like roman slate, sand stone and rough stone. Many existing available stamps may be used with little or no modification from traditional stamping techniques. CRP STAMP may be used anywhere conventional floor coverings such as tile, marble, carpet and slate are used horizontally over concrete (for applications over wood consult Concrete Restoration Products for more information).

Composition

A single-component product, CRP STAMP consists of a unique proprietary polymer, which is mixed into the bag mix. All you add is water. CRP STAMP powder is white or gray, it may also be custom pigmented in a wide range of additional colors with CRP COLOR PACKS. CRP STAMP may also be antiqued or chemically stained, the texture and coloration options are almost unlimited.

Advantages

- Thin section compared to conventional stamped concrete.
- May be applied anywhere conventional floor coverings are used.
- Packaged in pre-portioned units for ease of mixing.
- Can be colored with CRP COLOR PACK and is acid stainable.
- Design potential is almost unlimited, as it may be incorporated with many other flooring finishes, like inlays of natural stone, slate, marble, terrazzo, glass and some metals.
- Low maintenance (when appropriately sealed) and is also available in a wide range of slip retardant profiles.

Limitations

- May reflect working cracks in substrate.
- May not be installed over working pour joints, control, or expansion joint and large moving cracks or cold joints (Consult Concrete Restoration Products for detailing information around these areas).
- Dry time is approximately 8 hours per ¼" of thickness, and materials must not be exposed to temperatures below freezing during storage and initial curing period, low temperatures will increase dry time.
- Installation should not be attempted when temperatures are below 55°F (12°C) or above

1.) 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 and thorough removal of laitance, grease, and foreign matter. 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. Surface preparation should comply with ICRI SP 3 or greater.

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 manufacturer's specifications.

2.) Mixing

CRP STAMP pigmented Stamp Overlay mix is blended at 1-1.5 gallon of clean potable water to one bag powder, once completely mixed it is placed by screed method or gauge rake and immediately closed troweled smooth, caution should be taken not to over work finish with trowel.

3.) Coverage

22 sq. ft. per 50lb bag at 1/4" thickness. Coverage rates will vary, these are approximations only. Actual coverage rates will vary due to substrate conditions and technique of application.

4.) Application

Apply primer coat of Concrete Restoration Products CRP STAMP Primer by squeegee, brush or roller just prior to base coat screed application. You must allow a certain amount of time to allow product to partially set before you may stamp, specific times will vary due to temperature and weather. Once Overlay is ready for stamping, CRP liquid release is sprayed on surface and rubber stamps; stamps are then set and tamped into place. Once Surface is dry, generally the next day, the surface is cleaned, detailed and highlight antiquing is applied. After antiquing is completely dry, apply two to three coats of CRP clear sealer by roller, brush or sprayer, according to manufacturer's recommendations based on use, maintenance, and service requirements.

Technical Data

System thickness - 1/4" to 5/8"
Compressive Strength - (ASTM C-109) 5,200 psi
Flexural Strength - (ASTM C-580) 2,450 psi
Thermal Shock - (ASTM D-1211) Good
Water Absorption - (Mil-D-3134) 3.4%
Gloss, 60 degrees >75 (ASTM D-523) (When sealed with Water Based Epoxy)
Tensile Strength - (ASTM C-190) 920 psi
Abrasion Resistance 140.0mg (ASTM D-4060)
CS-17 Disk, 1KG, 1000 Cycles-
Shore 'D' Durometer Hardness - (ASTM D-2440)
Durometer 60 110°F (43°C).

Chemical Resistance

When sealed with Water Based Epoxy
(ATSM D-1308)

- *Gasoline No Effect*
- *Motor Oil No Effect*
- *Coffee No Effect*
- *Windex No Effect*
- *Formula 409 No Effect*
- *Methanol Loss of Gloss*
- *10% Na-OH No Effect*
- *10% Acetic Acid Destroyed*
- *10% HCl Swelling Recovered*
- *10% Sulfuric Acid Swelling*

Warranty

CONCRETE RESTORATION PRODUCTS aka CRP guarantees that this product is free from manufacturing defects and complies with our published specifications. In the event that the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the defective material at the option of the seller. CRP makes no other warranty, expressed or implied, and all warranties of merchantability and fitness for a particular purpose are hereby disclaimed. Manufacturer or seller shall not be liable for prospective profits or consequential damages resulting from the use of this product. Manufacturer shall not be liable for material used outside of its shelf life. For product dating, please refer to the batch number on the product or contact CRP.

SPECIFICATION, TECHNICAL ASSISTANCE & AVAILABILITY

Contact: Concrete Restoration Products

Phone: (855) 846-8277

Consult Concrete Restoration Products for specification assistance, detailing etc. This consultation is highly recommended.