

Product Data Sheet

Stamp Coat



Stamp Coat is a stampable cementitious topping coat intended for restoring or improving both interior and exterior surfaces. It can create a wide variety of textures and patterns varying from wood to brick and paver.

It eliminates the needs for costly tear-outs and replacement of existing surfaces by restoring, repaving, resurfacing and accenting said existing hardscapes. It is a polymer rich overlay which increases the strength and adhesion of the finish to the existing surfaces.

APPLICATIONS

Stamp Coat has an infinite number of applications, but is most commonly used for:

- Driveways
- Garage Floors
- Patios
- Brick Pavers
- Pool Decks
- Concrete Block
- Theme Parks
- Themed Attractions

BENEFITS

Stamp Coat has a large list of benefits, including but not limited to;

- Hard wearing
- Texturable and Stampable
- Tintable and Stainable
- Abrasion Resistant
- UV stable

SURFACE PREPARATION

The substrate must be

1. **Clean** - The surface must be free of dust, dirt, oil, grease, paints, glues, non- acrylic sealers, curing agents, efflorescence, chemical contaminants, rust, algae, mildew and other foreign matter that may serve as a bond breaker.

2. **Cured** - Any concrete must be sufficiently cured to have complete hydration, approximately 28 days depending on temperatures & humidity. Some cement-based products may cure sufficiently within 2 – 3 days.

PACKAGING

50 pound bag (22.7 kg bag)

COVERAGE

1 - 50 lb (22.7 kg) bag of Stamp Coat
15-18 ft² @ 3/8" (1.4-1.7 m² @ 9.5mm)
20-24 ft² @ 1/4" (1.9-2.2m² @ 6.4mm)

MIXING RATIO

3.5-4 qt. (3.3-3.8 L) water to 1 50 lb
(22.7 kg) bag of Stamp Coat.

DENSITY

132 pounds/ft³ (2114 kg/m³)

APPLICATION TEMPERATURE

50°F - 90°F (10°C - 32°C)

CURE TIME

Initial set - 6-8 hours

Full Cure - 28 Days

APPEARANCE

White or grey powder

SHELF LIFE

Under normal, Moisture free conditions 1 year for an un-opened container.

COMPRESSIVE STRENGTH

28 day 4350 PSI (29992 kPa)

FLEXURAL STRENGTH

28 day 945 PSI (6515 kPa)

TENSILE STRENGTH

28 day 440 PSI (3033 kPa)

SHEAR STRENGTH

28 day 280 PSI (1930 kPa)

ADHESIVE STRENGTH

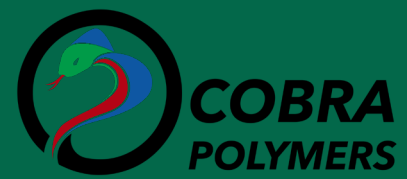
28 day 190.3 PSI (1312 kPa)

ABRASION RESISTANCE

28 day <.55%

Product Data Sheet

Stamp Coat



3. **Sound** - No system should be placed on concrete or cement-based products that are flaking or spalling. If the surface is delaminating, then diamond grinding, shot blasting, or other mechanical means should be used to remove the delaminating areas.

4. **Profiled** - Proper profile should follow the standard established by the International Concrete Repair Institute (ICRI) Technical Guideline no. 03732 for Concrete Surface Profile (CSP). The established profile is categorized as CSP-1.

APPLICATION

Patching

1. Upon surface preparation, some areas may require patching prior to application of material. The use of cementitious based materials intended for patching is recommended.

Crack and Joint Treatment

1. Cracks will require treatment prior to installation of material. The use of strong matching or crack filling materials are recommended.

2. Never bridge over existing joints with Stamp Coat, as they will crack back through the top coat. All existing joints in the sub-slab must be honored in the top coat. The installation of expansion foam or joint sealant is suggested.

Temperature / Weather

1. Avoid high heat and windy conditions. Attempt to minimize application during harsh conditions. Keep materials shaded before application, and utilize cool water.

2. Apply within temperatures that are at and will remain within these ranges for at least 24 hours within 50°F and 90°F.

3. Because Stamp Coat is thicker than the average overlay system, interiors and shaded areas will take longer to set and cure.

Bond Coat

1. Apply a generous coat of Bond Coat to a saturated surface, (dry to touch with no puddles).

2. Spread and apply with a squeegee.

Stamp Coat

1. While the Bond Coat is set but not cured, pour the Stamp Coat onto the surface.

2. Gauge rake the product to the desired height for the stamp selected.

3. Smooth the surface with a magic trowel/squeegee, pool trowel, fresno trowel, or a magnesium float.

Stamping

1. Allow product to begin to dry, yet remain plastic to the touch.

2. Spray Release Agent from a solvent resistant pump-up sprayer onto both the surface and the imprinting tools.

3. Progressively place and stamp material as material is dry enough to accept weight, and follow the customary methods of stamping.

Clean Up

1. Allow Stamped area to dry and cure enough to accept foot traffic.

2. Cut away and remove double lines as needed.

3. Remove any latent release by tools and stamping products with water and a soft bristle brush.

Secondary Coloring

1. Depending on the application selected, secondary coloring will provide aesthetic appeal to the project.

There are several methods available:

-Water Based Stains

-Solvent Based Stains

-Antiquing Agent Powders

-Color Hardeners

Refer to SDS/PDS of appropriate materials for application methods.

Sealing

1. To preserve and maintain the life and finish of the floor, we highly recommend the application of a sealant material to the finish floor. These can be either water based sealers, solvent based sealers, polyurethanes or polyaspartics. Please refer to material SDS/PDS for application instructions.

We recommend the use of our 20% or 30% Solvent Based Sealers for low VOC applications, both interior and exterior.

Product Data Sheet

Stamp Coat



SLIP RESISTANCE

Both OSHA (Occupational Safety and Health Administration and the Department of Justice through ADA (Americans with Disabilities Act) have issued directives on minimum coefficient of friction. ADA states that accessible walkways have a minimum coefficient of friction of 0.6. Ramps have been directed to 0.8. The applicator assumes the responsibility to meet these standards.

CLEAN-UP

If spills or on tools, make sure to clean up Stamp Coat with cleaner or water before it dries.

DISPOSAL

Follow local guidelines for disposing hazardous products.

LIMITATIONS

- For use by trained professionals.
- Best performance on concrete slabs that has no ponding of standing water.
- When masking use caution while taping to a floor that is not cured fully, especially at edges, as delamination may occur.
- Protect floor from metal wheel traffic and any items that could damaging.
- Certain chemicals may act as bond breakers and should be avoided.

CAUTIONS

KEEP OUT OF REACH OF CHILDREN. Product is flammable. Avoid sources of ignition. Keep areas of installation well ventilated.

Inhalation: Use NIOSH approved respirator for organic vapors.

Skin Contact: Skin contact may cause irritation. Remove contaminated clothing immediately and wash effected area with soap and water. Wash clothing before using again. If symptoms persist seek medical attention immediately.

Eyes: Wear Safety eye protection when installing this product. If contact occurs, flush eye with water for 15 minutes, seek medical attention

Further Information

Information relating to the safe handling of this product can be found in the Material Safety Data Sheet. Local Regulations concerning the safe handling of silica containing materials must be observed. Suitable protective clothing including eye protection must be worn at all times.