

HD UNIVERSAL OVERLAY

HEAVY DUTY CONCRETE RESURFACER


SELECT SURFACE SOLUTIONS

Product Specialists For Concrete Restoration, Repair, Resurfacing & Architectural Accenting

PRODUCT DESCRIPTION

HD UNIVERSAL OVERLAY is a proprietary mixture of polymer modified Portland and Calcium Aluminate cements and various sized "graded" sand aggregates. It can be applied to properly prepared, interior or exterior, horizontal concrete or masonry surfaces to create a decorative texture finish.

FEATURES AND BENEFITS:

- Freeze Thaw Resistant
- Suitable for Vehicular Traffic
- Abrasion Resistant
- Multiple Overcoat Options
- Interior or Exterior

RECOMMENDED USES

HD UNIVERSAL OVERLAY is formulated for interior or exterior use on concrete surfaces such as pool decks, patios, lanais, walkways, driveways and garage floors.

COVERAGE RATES

Depends upon application and substrate. (1) 50 lb. (22.7 kg) bag of HD UNIVERSAL OVERLAY =

Base - approximately 150 - 175 ft² (13.94 - 16.25 m²)
 Finish/Top Coat - approximately 125 - 150 ft² (11.6 - 13.94 m²)

JOBSITE TEST SECTION

Due to the wide variety of substrates, preparation methods, application methods and environments, it is important to create a test sample.

LIMITATIONS

- On excessively hot days, it is suggested to use the material only if protected from the direct heat of the sun.
- Extreme temperatures interfere with the curing of the material.
- DO NOT apply product when air, mixture or substrate temperature is below 50 °F (10 °C) or above 90°F (32 °C).

SURFACE PREPARATION

Existing Concrete:

All concrete must be porous, clean, dry and free of grease, oil and other contaminants. Deep scrub the floor using an orbital cleaning machine and black pad. To spot clean, use a cleaner/degreaser, following label directions. If mold, mildew, or fungus is present, kill and remove with a solution of 1 cup household bleach to 1 gallon of water. If surface has been previously painted, remove all old, peeling, flaking paint. In addition to porosity, all concrete requires a profile consistent with the feel of 120-grit sandpaper.

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424- LEAD (in US) or contact your local health authority.

Repair:

For the best repair on vertical and horizontal concrete and masonry surfaces, use a patching compound to fill low spots and spalled concrete. Please note that patching compounds will generally be visible through clear coatings.

Substrate must be 50°F and rising before installation. Surfaces at 90°F and above must be cooled before installation. Dampen area with a fog tipped sprayer before using, leaving no puddles.



TOOLS REQUIRED

- 1/2" (13mm) drill
- Drill must be a slow or variable speed drill
- Mixing paddle
- Respiratory Protection
- Eye Protection
- Gloves

APPLICATION INSTRUCTIONS

Color Pack: Pour contents of color pack into 5 quarts of water prior to addition of HD UNIVERSAL OVERLAY. Spin the color in the water using a mechanical mixer to disperse the color evenly in the liquid. Begin adding dry bag product to mixing vessel.

Mixing: Use a mechanical mixer to combine approximately 5 quarts (4.75L) of water per 50 lb. bag (22.7 kg.). Use only clean tools and water. Gradually stir powder mixture into clean water until a thick workable mixture is obtained. Mix for approximately 3 minutes. Use immediately. Pot life is approximately 20 minutes. Do not add more than 6 quarts (5.67 liters) of water per 50 lb. bag (22.7 kg) of dry mix.

Note: Before application, saturate the surface to be coated with water. Very porous concrete surfaces will require several applications of water to ensure complete saturation. Ensure surface is dry and there are no puddles prior to application.

Application: All HD UNIVERSAL OVERLAY applications are recommended to have a base coat. Base coat may be troweled/squeegeed or sprayed.

TROWEL: The surface should be saturated, surface dry (SSD or damp, no puddles). Pour a generous ribbon of HD UNIVERSAL OVERLAY and tightly trowel or squeegee product over entire area.

SPRAY: Use a hopper gun and air compressor unit or similar equipment to apply the material. Vary the size of the orifice and air pressure to achieve the desired pattern. Standard air pressure will be between 15 and 35 p.s.i.

KNOCKDOWN FINISH: When the splatters begin to look dull (as the moisture leaves), use a trowel to wipe down the high spots. Always test an area to confirm that it is the appropriate time and condition for troweling the texture. The pressure exerted on the trowel will determine the coarseness of the finish. Periodically clean bottom of trowel with a damp cloth.

TOP COATING: Texture will require a minimum of 12-24 hours before topcoating. If temperatures are below 70°F (21°C) the textured surface will require a minimum of 24 hours drying before application of any topcoat. A sufficiently dried texture system will not leave a thumbnail impression in the surface. Completely brush with stiff broom to knock off burs, sweep clean and then apply an appropriate concrete stain, sealer or coating. Stain and sealers require 72- 96 hrs curing before vehicle traffic. These wait times can vary depending on the specific topcoat product, be sure to consult the product data page.

CLEANUP

Clean tools and any spills or spatters immediately using soap and warm water. Clean hands immediately after use with a waterless hand cleaner.

Disposal: Comply with all applicable local, state and federal rules and regulations for powder, mixed and cured product, the packaging and mixing containers.

MAINTENANCE

Clean surfaces coated with HD UNIVERSAL OVERLAY using a mixture of 3 parts water to 1 part cleaner/degreaser

Physical Properties and Characteristics

PROPERTY	TEST METHOD	VALUE
Compressive Strength	ASTM C-109	28 Days 4278 PSI
Flexural Strength	ASTM C-348	28 Days 995 PSI
Tensile Strength	ASTM C-190	28 Days 440 PSI
Shear Strength(Mosaic Tile)	ANSI 118.4	28 Days 280 PSI
Abrasion Resistance	ASTM D4060	28 Days <.5%

CAUTION

May cause skin or burns or irritation. Inhalation is known to cause cancer or delayed lung injury.

Avoid contact with eyes and skin. Wear safety glasses or goggles, protective clothing, shoes and gloves to prevent eye and skin contact. This product contains hydraulic cement. When mixing with water and/or latex, it results in a solution that is highly alkaline and may burn or irritate the eyes or skin.

Avoid breathing dust. This product contains crystalline silica sand. Prolonged exposure to crystalline silica dust is known to cause lung cancer or delayed lung injury, including silicosis.

Take measures to eliminate or control dust while handling this product. Wear a respirator approved for protection against crystalline silica dust.

Warning: This product contains a chemical known to the state of California to cause cancer.

First Aid: If ingested, drink one to two glasses of water. Do not induce vomiting unless directed to do so by medical personnel. Get immediate medical attention. In case of contact with eyes and/or skin, flush area with clean water for a minimum of 15 minutes and seek medical attention. Read the safety data sheet (SDS) for this product prior to use. For additional information contact your distributor.

KEEP OUT OF REACH OF CHILDREN

WARRANTY

Warranty of this product, when used according to the directions, is limited to refund of purchase price, or replacement of product (if defective), at manufacturer's or seller's option. Manufacturer shall not be liable for cost of labor or direct and/or incidental consequential damages.

