

DECOTOP RESURFACING OVERLAY



“The Innovating Company”

PRODUCT DESCRIPTION

DECOTOP OVERLAY SYSTEM is a premium quality multipurpose decorative and resurfacing cementitious topping. An engineered product designed to resurface and repair interior or exterior concrete with great versatility, which allows the installer to use the same product for a variety of applications such as Stamped Overlay, Broom Finish, Knock Down, Splatter Texture, and Simulated Stone.

DecoTop is recommended for resurfacing driveways, patios, pool areas, malls, theme parks, parking lots, interiors and exteriors. This innovative overlay turns ordinary concrete into beautiful works of art while providing a hard, wear and abrasion resistant easy to use cementitious topping.

Over one hundred stamp mat designs are available to help the designer and applicator create new or restore concrete hardscapes. The incorporation of an antiquing agent, ChemTone Acid Stain, DecoTone dyes and other Decosup coloring processes opens the door to even more possibilities.

ADVANTAGES:

- Stronger than concrete
- Resistant to abrasion, fading and staining.
- Adds a cooler non-skid surface to concrete
- Economical and Durable
- Attractive decorative finish.
- Many colors to choose from.
- Not affected by weather or freeze and thaw cycles

COMPOSITION:

DecoTop was engineered and developed with a unique blend of polymers, sand, cement, admixtures, nylon fibers and additives that form a unique product that may be used for a number of applications and surfaces. This special mixture combines the best properties of each component into a product that has enhanced adhesion, superior freeze thaw resistance, increased wear and abrasion resistance and excellent workability. The addition of high quality nylon reinforcement fiber into the overlay mix enhances resistance to weather related problems, chemical penetration and greatly reduces shrinkage cracking.

This combination of properties makes **DECOTOP** a product that will perform equally well in all climates, is economical, easy to apply and will give you the peace of mind that a quality overlay provides. **DECOTOP** is the product of choice for resurfacing concrete.

PACKAGING: **DECOTOP** is packaged in the following ways:

DECOTOP-R: Ready to use (add water only), 50 lb bag white or gray. Recommended for bond coat, Broom Finish, Simulated Stone, Stencils, Knock Down and Splatter Texture.

DECOTOP-S: Ready to use stamp mix (add water only). Recommended as a Stamped Overlay and for patching and leveling floors. 60 lb bag white or gray.

DECOTOP-L: The classic Overlay system, the liquid polymer comes in a 5-gallon pail and it is mixed with water and DecoTop OL, you may add your own sand and cement onsite according to instructions. **DECOTOP-L** may also be used as an additive for simulated rock formations lightweight concrete, patch and leveling sand mixes and countertop mortars for added strength, faster curing time and improved compressive strength.

FLOOR PREPARATION

Good floor preparation is the foundation for the success of all overlay applications; the installer should be familiar and experienced not only on the installation of DecoTop but also on how to prepare floors for overlays. Concrete should be cured for at least 14 days in warm weather climates and 28 days in cold weather. The surface must be sound, solid, stable and free of oils, grease, dirt, mildew, paint, curing agents or anything that may prevent **DECOTOP** from adhering to the floor.

EXTERIOR: Concrete may be prepared by chemical or mechanical means. If acid etching, prepare a solution of 1 part muratic acid to 6 parts water, apply with a water sprinkle can and move around with a push broom in a circular motion to evenly spread acid over concrete. The etching action occurs only at the first point of contact with concrete where there is fizzing, moving inactive material around will not properly etch

the floor. Rinse immediately and thoroughly, do not allow acid solution to dry on the surface. Sand blasting and bead blasting are also very efficient ways to prepare exterior concrete for overlay, this process effectively removes the top layer of the surface, leaving a clean surface to bond to.

Exterior surfaces should also be degreased with DecoClean concrete cleaner. Apply DecoClean to the surface and let soak in for a few minutes then scrub with a floor scrubber with a black pad or a hard bristle broom, then rinse. Pressure wash concrete after etching and degreasing. Check for any discoloration or water beading, which will indicate there is still oil or grease on the surface, repeat the process or grind the surface until the contaminants are totally removed.

INTERIOR: Floors should be cleaned with a shot blaster or other mechanical method, (floor sander with abrasive pads, or sand, or both) and scrubbed with a floor buffer, black pad and DecoClean. After scrubbing, remove all residues with a wet vac and allow drying. Use these steps on all **DECOTOP** applications.

PRIMING: All surfaces must be primed with DT-Primer prior to the application of any DecoTop system. After the surface has been properly prepared and allowed to dry apply DT-Primer as supplied, use a roller, broom or squeegee and evenly apply over entire surface, avoid puddling and allow to dry.

DECOTOP STAMPED OVERLAY

PRIMING SURFACE:

Prepare the floor as instructed. **DT-Primer** must be used prior to laying the stamp mix; a bond coat is not necessary when using DT-Primer. If a bond coat is desired use **DECOTOP-R** for the bond coat. Follow instructions for primer, allow to dry then apply DecoTop-S

STAMP MIX: Mix **DECOTOP-S** as instructed on the specific system you are using. We recommend using **DECOTOP-S** for your stamp mix. Mix one bag with 5 to 6.5 quarts of water, start with 5 quarts and add more water until desired consistency is achieved. **DECOTOP-S** has been specially designed for this application, with graded hard aggregates and fibers to enhance hardness and wear resistance, plus special additives to aid with flow and set time. One bag of

DECOTOP-S yields approximately 20 to 25 feet at 3/8" thickness.

APPLICATION

After DT-Primer has dried follow with DecoTop-S stamp mix. Mix one to two bags of DecoTop-S in a barrel or several bags in a mortar mixer (for increased production you can mix 6, 9, or 12 bags at a time). Spread Stamp Mix using a gauge rake set at a minimum of a 1/4" up to 3/8" thickness. If a thicker application will be necessary for leveling or filling in deeper areas, we recommend that all the patching and leveling be done first to avoid different drying rates when stamping the material. Do a test before you start to determine the best thickness for the stamp to be used. Immediately after gauge raking, smooth with round edge Fresno or smoother to close in the gauge rake marks, this is all that is needed until it's ready for stamping, allow to stand until desired setting is achieved. Test readiness by stamping a small area, wet one stamp and area to be tested with Decosup Liquid Release, if the stamp is easily removed and imprints properly the surface is ready for stamping. Depending on the floor and ambient temperatures it may take from one to several hours until the mix is ready to be stamped. Pour Decosup Liquid Release agent into a pump sprayer. Adjust spraying pattern and wet stamps one time at the beginning of the process than apply over DecoTop being careful not to get too far ahead because liquid release will evaporate, and proceed with stamping. Wait for at least four hours or until the next day to clean double lines or imperfections, then antique and seal.

ANTIQUING

Mix ½ gallon of Decosup HardBright Clear sealer with ½ gallon of Decosup Solvent or Xylene and some release powder of the color of your choice, start with 2 oz per gallon of antiquing and add more as necessary, make sure the powder is well dissolved and measured to ensure even color mix from gallon to gallon. This solution yields 200 to 300 square feet per gallon. Put solution into pump sprayer and spray generously and evenly over entire area making sure you apply enough and into the grout lines. This antiquing solution will settle in the deeper areas, thus creating a very natural antiquing look. The advantage of this method is that you have full control on the results and the depth of the antiquing. If too much antiquing is applied you may remove it with a rag then re-spray.

ACID STAINING DECO TOP

CHEMTONE Acid Stain is ideal for antiquing DecoTop. It adds depth of color and allows for unique designs while considerably enhancing your project. Experimentation is encouraged, as the final color will depend on the base used (white or gray), colorant used and other factors. For better results light color mixes should be used. After ChemTone is applied and the surface is rinsed and neutralized it should be protected until it's sealed. Read the full ChemTone technical data sheet before use.

DECO TOP SPRAY DECK

SPRAY DECK is a thin, abrasion resistant, hard, easy to apply decorative surface. It is used to decorate pool patios, sidewalks, driveways and on commercial applications. **SPRAY DECK** is applied by spraying **DECO TOP-R** onto the surface with a hopper gun and then left alone or knocked down with a trowel for added texture. Designs may be created by using tape or stencils.

PREPARATION: Follow preparation instructions for all **DECO TOP** systems. Prime surface with **DT-Primer** after surface is clean and dry.

BASE COAT:

After surface is clean and prepared mask and protect all areas not to be resurfaced. Mix one bag of **DECO TOP R** with 1.5 gallons of water, apply first coat with a squeegee or trowel at a thickness of 1/16" over entire surface and allow to dry.

KNOCK DOWN OR SPLATTER TEXTURE:

Once first coat has dried you can create designs using Decosup's Spray Deck Tape, some of the most popular designs are tile, brick and keystone. Decosup's Spray Deck Tape is a reinforced paper back tape that will be easily removed after DecoTop dries, masking tape, painters tape or other non-reinforced tapes are not recommended and their removal will be extremely hard. Stencils are also use to create designs, stencils come in many different patterns and you may also use stencils. After tape or stencil is secured, mix **DECO TOP-R** the same as first coat and apply with a hopper gun at about 15 to 25 PSI, depending on the texture wanted. Let stand for a few seconds and if a Knock Down look is desired, strike the top surface with a pool trowel to create the texture. If a splatter look is desired just leave alone after spray. Do not allow to stand too long before knocking down you will not get the desired texture and do not do it too soon to

avoid big smooth areas. Let dry for 24 hours and seal with two coats of HardBright clear sealer, HardBright Pigmented Sealer may also be used if a more uniform color is desired.

BROOM FINISH: Prime surface with DT-Primer then apply bond coat with a squeegee or broom, allow setting for a few minutes. Mix more **DECO TOP-R** and apply with a broom, if a coarser finish is desired, use **DECO TOP-S** for the finish coat. Yields about 200 to 300 square feet.

SEALING: DECO TOP OVERLAY may be sealed with the following sealers, please follow individual product directions.

HARDBRIGHT CLEAR: Solvent borne acrylic sealer, 30 % solids. Recommended for exterior and interior application. Read safety precautions for interior application. It provides medium hardness and good gloss and chemical resistance. It should be protected with Final Coat floor finish on interior applications.

DECO THANE CLEAR SEALER is a 45% solids solvent borne, moisture cure aliphatic polyurethane sealer. DecoThane offers an excellent combination of film hardness, superior abrasion and chemical resistance, high gloss and durability. Recommended for commercial and residential use where a hard, high gloss non-yellowing clear finish is desired. Read safety precautions for interior application.

DECOPOXY SEALER: Water base, low odor, Ideal for interior commercial or residential projects, this high wear resistance, water base VOC compliant sealer provides a very hard, high gloss finish. Protect with **FINAL COAT** floor finish for a long lasting, high shine, easy to maintain surface. **IMPORTANT:** Epoxy sealers need very good mechanical adhesion, do not apply over smooth floors or concrete that has been finished with a power troweled, concrete must be porous and have the texture of 120 grit sandpaper.

POLYBRIGHT POLYURETHANE: Indoors and outdoors polyurethane sealer, non-yellowing, VOC compliant, excellent abrasion resistance, hard finish, no smell, water borne, ideal for interior commercial and residential projects. Floor should be primed with DecoPoxy water base Epoxy prior to PolyBright application to achieve desired depth of color. Topcoat with **FINAL COAT** floor finish for a long lasting, high shine, easy to maintain surface.

PROPERTIES:

FLEXURAL STRENGTH:

680 PSI

TENSILE STRENGTH:

315 PSI

COMPRESSIVE STRENGTH:

2950 PSI to 5000 PSI

SHEAR BOND:

315 PSI

ABRASION RESISTANCE:

1.6 % Loss

DECO TOP MIXING INSTRUCTIONS:

DECO TOP-R:

All in one add water only bag mix gray or white; 50 lbs. Mix with 6 quarts of water (more water may be added if needed). Used for scratch coats, bond coats, Spray Deck, Splatter Texture, Broom Finish, Stencil Patterns and Patch and Level. Add Decosup liquid dispersions for coloring. Yields 100 to 200 square feet.

DECO TOP-S:

All in one 60 lb bag mix gray or white add water only. Mix with 5 to 6.5 quarts of water,(more water may be added if needed). Recommended for Stamped Overlay, patch and level and Broom Finish. May be colored with Decosup Liquid Dispersions. Yields 20 to 25 square feet at 3/8".

DECO TOP-L (LIQUID POLYMER):

For scratch coat, bond coat, spray texture and stencil applications. Blend 1 part DecoTop-L polymer with 2 parts water. Use 1.5 gallons of this mix to one bag of DecoTop SPM. Add Decosup liquid dispersions for coloring. Yields 100 to 200 square feet

For stamped overlay blend 1 part DecoTop-L polymer with 3 parts water. Use 6 to 7 quarts of this mix to one bag of DecoTop-OL. May be colored with Decosup Liquid Dispersions. Yields 20 to 25 square feet at 3/8".



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For professional use only
Consult Material Safety Data Sheet before use.