



Tech & Data Sheet

THIN-STAMP

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PRODUCT DESCRIPTION

Thin-Stamp is a one-component pre-blended product that requires only the addition of water. **Thin-Stamp** can be used horizontally or vertically on existing masonry and concrete surfaces. The material is placed approximately 3/8" thick and then stamped with a stamping mat or tool to create a variety of impressions such as stone, brick, tile, etc. The product can be used on interior or exterior floors, driveways, patios, pool decks, etc.

SURFACE PREPARATION

All surfaces shall be clean and free of dirt, dust, paint, sealers, form release, curing agents, grease, oil or anything that would inhibit mixed material from coming into contact with the open pores of the substrate. Any anti-adherents must be removed mechanically. Pressure washing, sand blasting, water blasting, grinding and shot blasting are a few good methods for removal. On existing surfaces not burdened with these anti-adherents, pressure washing coupled with acid etching should be considered; especially on smooth, steel troweled or formed concrete. Degrease area at 6-8 ounces of **Degreaser** to one gallon of water. Scrub with a stiff brush and rinse thoroughly. Repeat until no water attempts to bead on surface.

MIXING & APPLICATION

1. Make a solution of 1 part muratic acid to 5 parts water. Brush the area with a stiff brush or broom vigorously. Repeat the process until surface resembles a sandpaper-like texture. Again, use a power washer for rinsing is available.
2. Apply a coat of **Thin-Stamp Bonding Agent** generously over the entire surface with a roller. Do not leave any puddle areas. Allow first coat to dry, and then apply a second coat. NOTE: Extremely porous concrete may require a third coat. Let last coat dry before applying **Thin-Stamp**. At time of application, bonding agent should be tacky.
3. *Always mix 2 bags at a time!* In a clean mixing barrel, use exactly 8 quarts of water (clean and cool). Drop 1 bag of color in water. Use mixing drill and mix slowly for 10-15 seconds to dissolve bag and color (make sure dissolvable bag of color is untied before you drop it in the water). Add 2 bags of **Thin-Stamp** mix and mix for 3 minutes. Setting time will vary due to conditions (approximately 2-3 hours).
4. Set gauge rake at 1/4" thickness for maximum coverage. At 3/8" one bag of **Thin-Stamp** will cover about 16 square feet. Always have a fresh batch of mix ready to place. NEVER allow a "cold joint." Apply next batch of material 1/2"-3/4" away from previous placement and work material back into previous pour. Use a gauge rake to lay material to desired depth and work out all rake or trowel marks with a hand trowel.
5. **Thin-Stamp** can be very sticky to trowel. You may want to use a surface retardant as a finishing aid. This will allow you sufficient time to work out all rake and trowel marks. Use a pump-up sprayer to spray an even coat on surface and trowel until smooth.
6. Apply **DCS Clear Liquid Release** to stamp or skins with a pump-up sprayer. Repeat as needed to keep stamps from sticking to surface.
7. The proper time to stamp will vary dependant upon various weather conditions. In all conditions the proper time to stamp the overlay is when it has reached a sponge-like state. If there is any fluid movement when the surface is depressed with a finger then it is still too wet. Stamping too soon may cause excessive bleeding of material between stamping tools. It is recommended that the stamp be walked on until the desired texture is achieved. A tamper should be used only if absolutely necessary. Under no circumstance should heavy tamping be used, as it could result in delaminating or separation of the surface. If heavy tamping is required it is best to remove hardened material and apply a fresh coat of **Thin-Stamp** mix. Extremely windy conditions will cause surface drying. If this is the case, it is recommended to apply a light mist of retarder mix 12 parts water to 1 part retarder.
8. Any joints that are missed can be cut using a hand grinder after 24 hours.
9. Dampen entire surface area with clean water. Using a plastic pump-up sprayer, apply a mixture of 1 part muratic acid and 10 parts water to surface. Use an acid resistant brush and scrub entire area. Rinse area with clean water. Repeat process as needed until no water beading is notice on surface.
10. After allowing ample time for drying, as long as 24 hours, before starting antiquing process. Mix 1-2 tablespoons of **DCS Antiquing Agent** to one gallon of clean water. Mix thoroughly. Apply using a pump-up sprayer. Apply the majority of agent to depressions and grout lines for best effect. Grout lines may need extra attention by applying antiquing by a brush method or pouring agent into them. While still wet, you may flush away excess color with water. You may also use a mixture of 10 parts water to 1part muratic acid the following day.
11. Let the area dry for 24 hours. Apply 2 coats of **DCS 20% Clear Seal**. Let 1st coat dry until no longer tacky before applying second coat.

COVERAGE

50-lb powder will cover approximately 16 square feet @ 3/8".

TECHNICAL DATA

COMPRESSIVE STRENGTH (ASTM C-944) – 7 day: 3750 PSI / 28 day: 4080 PSI

ABRASION RESISTANCE (ASTM C-944) – 1 day: 1 gram lost / 7 day: 1 gram lost

TENSILE STRENGTH (ASTM) – 1 day: 280 PSI / 7 day: 560 PSI / 28 day: 890 PSI

FLEXURAL STRENGTH (ASTM C-78) – 7 day: 850 PSI / 28 day: 1500PSI

SHEAR BOND (ASTM C-882) Modified – 7 day: 1100 PSI / 28 day: 1650 PSI Mortar scrubbed into substrate

PRECAUTIONS

Do not allow bonding agent to freeze. Apply between 40 degrees F and 100 degrees F. Allow 4-7 days of curing time before allowing vehicular traffic. Keep placed material from freezing for 48 hours. Acrylic sealer is flammable. Use in well ventilated areas!

WARNING

Contains Portland cement; avoid eye contact or prolonged contact with skin. Wash thoroughly after handling. In case of eye contact, flush with water for 15 minutes. Consult a physician immediately. Keep out of reach of children. Contains free silica – DO NOT breathe dust. May cause delayed lung injury. Follow OSHA safety and health standards for crystalline silica (quartz). See material safety data sheet for detailed information.

IMPORTANT NOTICE:

These products are sold subject only to the expressed warranties contained herein. Additional warranties, expressed or implied, and any warranty of merchantability is hereby excluded. Buyer agrees that seller assumes no liability for consequential damages of any kind, which result from the use or misuse of the merchandise sold hereunder. In the event that the buyer proves that any goods received do not conform to the specifications agreed to between the parties or if the buyer proves that such good were defectively manufactured, the buyer's remedies shall be limited to either the return of the good and repayment of the purchase price or replacement of the nonconforming good at the option of the seller. Such remedy being exclusive of all others and the sole remedy available to the buyer, hereby expressly waives any claim to additional damages.