

SRI Spray Texture Overlay

Technical Data Sheet

1. Description and Uses

SRI Concrete Product's Spray Texture Overlay product is a single-component polymer-modified cement based product that is ideal for spray texturing applications. It may also be used in a troweled fashion, where some texture is required. SRI has other products better suited for a tightly troweled surface.

SRI Spray Texture Overlay comes in either Grey or White Portland Cement bases. The white-based product is designed to accommodate the use of one pound color packs providing integral color through the entire mix. 16 standard colors are available. The grey-based product is left in its natural grey shade or sealed with a pigmented sealer. Either product may be stained.

Physical Data (at 75 deg F)

50 lbs. *Spray Texture Overlay* with one gallon of water at 1/8-inch depth:

Initial Setting Time	45 to 120 min.	
Final Setting Time	90 to 360 min. (1.5 to 3 hrs)	
Yield	0.41 cu. ft.	
Flow (ASTM C 109)	140% (ASTM C 928 min. 100%)	
Expansion % in water (ASTM C 157)	Less than 0.07% (ASTM C928 min. + 0.15%)	
Contraction, with drying (ASTM C 157)	Less than 0.10% (ASTM C928 min. - 0.15%)	
Compressive Strength	ASTM C 109	
3 hours after set	1000 psi (6.9 Mpa)	1000 psi (6.9 Mpa)
1 Day	2450 psi (16.9 Mpa)	2000 psi (13.9 Mpa)
7 Days	4700 psi (32.4 Mpa)	4000 psi (27.6 Mpa)
28 Days	6500 psi (44.5 Mpa)	4000 psi (27.6 Mpa)
Freeze-Thaw	25 cycles: none/negligible	

2. Coverage

Coverage: May vary dramatically depending upon use.
 Thin, textured trowel application (1/16 to 1/8 in):

125-150 sq. ft. (8-9.5 pints water)

Knock-down (orange peel) texture:

100-150 sq. ft. (9.5- 10 pints water)

NOTICE: this product contains Portland cement and silica. Use NIOSH 95 dust respirator (or better). Wear safety goggles; avoid eye and excessive skin contact. If eye contamination occurs, flush with water for 15 minutes, and seek medical attention.

3. Mixing

Add four quarts of water to a clean five-gallon container. Slowly introduce one 50-lb. bag of *SRI Spray Texture Overlay* while mixing with an adequate drill equipped with a cage-type mixer. A 450 to 500 rpm variable-speed drill is recommended. Add color packs at this point. Mix thoroughly for at least 3 to 5 minutes paying close attention to potential dry material on the sides and bottom of bucket.

Continue mixing until no lumpy material remains, as it will not shoot well through a hopper gun, and will result in an uneven texture. Adjust the consistency with additional water (up to one quart per bag) as needed to suit personal techniques.

NOTE: The amount of water required may vary slightly due to temperature and humidity, i.e., cool temperatures and/or high humidity requires less liquid solution for equal workability. Also, smaller jobs may only require mixing partial bags of *SRI Spray Texture Overlay*.

4. Application

Cover or mask all areas requiring protection with tape and paper so that material does not bond to unwanted surfaces.

Carefully place stencils or tape as required. Do not dampen bond coat prior to shooting texture.

Read and understand all operating instructions for hopper gun and air compressor prior to starting project. Adjust air pressure typically between 8 and 15 psi and set hopper gun orifice to desired size. Fill hopper approximately 80% and hold 36 to 48 inches above surface. Shoot texture evenly over surface in small circular or figure 8 patterns achieving the desired coverage. Use care not to disturb stencils while walking or stepping backwards.

The newly-shot material will have a glossy or wet appearance. After this gloss has become matte or dull, the material is ready for troweling. This time

(usually one to five minutes) will vary depending on temperature and humidity. Wearing metal-creak golf shoes or spikes, walk out to the area ready to trowel. Using a round-corner trowel, lightly test an area to establish the force required for the desired texture. Once the required force is established, maintain this pressure while troweling in a large arching motion. Wipe trowel after each pass with a damp rag to ensure a clean texture.

After the texture coat has dried (usually the following day), tape and stencils may be pulled. After lifting tape, stencils, and any masking, remove rough points or edges with a trowel by scraping it across the surface. Use a blower to remove loose material.

7. Sealing

Two coats of *SRI Solvent Based Clear Sealer 25%-30%* or *SRI Acrylic WB 25-percent Low-VOC Concrete Sealer* are suggested to complete the project. Do not apply below 45 deg F. To apply with a roller, use a solvent resistant, 1/2-inch nap. Apply one thin coat forcing the sealer into the low areas of the surface. Allow the sealer approximately 12 hours to dry then repeat the process (for second coat use non-skid modified sealer if desired). To apply with an airless sprayer, use a reversible tip and spray evenly onto the concrete surface.

Allow 24 hours before allowing foot traffic on the sealed area and allow at least 72 hours before allowing vehicle traffic on the area.

CAUTION: SRI solvent-based sealers are flammable.

6. Clean-Up

Equipment and tools should be cleaned immediately after use. Water may be used to clean *SRI Spray Texture Overlay* from tools. After material has dried it may be necessary to grind to remove excess material.

7. Warranty

WARRANTY DISCLAIMER: The information contained within is accurate to the best of our knowledge. SRI has no control over the jobsite use of its products, therefore no warranty or guarantee is implied nor can be assumed beyond the replacement of product. No person has the authority to override this warranty, without written consent from SRI Concrete Products.