



# Vibra-Coustic SVD-SLU Sound & Vibration Dampening

## Application Specification

### Purpose and Scope

To outline instructions for application of Vibra-Coustic SVD-SLU. A 100% solids, 0 VOC, sound and vibration dampening, interior deck covering underlayment designed for application under all types of deck covering materials.

### Thickness

Standard 1/4", maximum 11/8"

### Approximate Quantity of Materials Required

**To Cover ONE HUNDRED SQ. FT (9.3 sq. Meters)**

Thickness  
1/4 inch (1 mm)

TM Bondcoat	
Component A ( 1 Gal.....)	0.33units
Component B ( 1 Qrt )	
Elasta-Vistic Membrane	
Component A ( 5 Gal) .....	0.5 units
Component B ( 1 Gal)	
Component C Aggregate (17 lb bag)	
Dex-Screed Underlayment.....	4 bags

### Equipment Required

- Dex-O-Tex Mixing Blade mounted in slow speed (275 RPM), 3/4" (19 mm) drill
- Mixing Container(s) (metal recommended over PVC)
- Jiffy Blade, (small size)
- Roller Frames and Handles
- 3/8" Nap Roller Covers
- Paint Brushes
- 1/4" X 1/4" "V" Notched Trowel
- Steel Trowel, (3" x 12"), (8 cm x 30 cm)
- Plasterer's Steel Trowel, (4" x16"), (10 cm x 40 cm)
- Spiked Roller
- High Intensity Lighting, preferably deck level
- Approved solvent for cleaning tools
- All required Personnel Protective Equipment, gloves, safety glasses, hand cream, etc.

### Surface Preparation

**METAL:** Deck surfaces shall be prepared in accordance with SSPC SP 11, to remove all mill scale, rust, paint, etc., to gray steel or as specified. Surface should be dry and free of rust, dirt, oil or grease.

Decks that have been cleaned and primed with Navy Formula 150 Primer, MIL-DTL-24441, EURONAVY ES301K Primer, or Pre-Construction Primer (PCP, Zinc Silicate), may be high-pressure water jet cleaned, and prepared in accordance with SSPC SP 1 and allowed to dry completely before application if practical within the space.. If any rusting is evident, prepare in accordance with SSPC SP 3 and SP 1; do not proceed with application until approved by supervising authority.

### Material Temperature

The temperature of the materials should be between 65°F to 80°F (18°C to 29°C) for best mixing and application properties.

### Ambient Temperature

For best working properties the ambient room temperature should be between 65°F to 80°F (18°C to 24°C). However, Vibra-Coustic SVD-SLU can be installed in ambient temperatures as low as 55°F to as high as 100°F. However, workability will be adversely affected. A minimum temperature of 55°F and maximum temperature of 100°F must be maintained during and for at least 24 hours after application for proper curing.

### Substrate Temperature

Deck surface and room temperature of 65°F to 80°F (18°C to 24°C) should be maintained for at least 24 hours prior to and after installation for proper curing.



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## APPLICATION

### STEP ONE – Bondcoat

#### TM Bondcoat

Mix Ratio: 3A:1B      Pot Life: 35 min  
Cure Time: 6 hrs      Recoat Time: 6-48 hrs.  
Coverage: 300 sq. ft.      DFT: 5 mils

A. Mix together the following materials:

TM Bondcoat Comp A      (3 Parts by Volume)  
TM Bondcoat Comp B      (1 Part by Volume)

Measure out the required amount of Component A and Component B and pour into a clean mixing container, scraping the sides and bottom of cans to insure all materials are used. Mix with a low speed electrical mixer for approximately three minutes to a homogenous blend.

B. Apply a thin coat of TM Bondcoat using a trowel, squeegee, or roller over the area to be coated. Do not allow primer to puddle or be applied too thick. A one Gallon Kit (1 gal can A: 1 quart can B) mixture should cover approximately 300 square feet (300 sq. ft. / mixed gallon) over smooth surface. If surface is very porous, two coats may be required. Allow to cure before proceeding with the application.

### STEP TWO – Membrane

#### Elasta-Vistic SVD Membrane

Mix Ratio: Do Not Split      Pot Life: 35 min  
Cure Time: 18 hrs      Recoat Time: 18 – 48 Hr  
Coverage: 40 sq. ft.      DFT: 40 mils (Standard)

A. Mix together the following materials:

Elasta-Vistic Membrane Resin Comp A  
(Pre-Measured Parts by Volume)  
Elasta-Vistic Membrane Resin Comp B  
(Pre-Measured Parts by Volume)  
Elasta-Vistic Membrane Powder Comp C  
(Pre-Measured Parts by Volume)

- B. Pour the contents of the can containing Elasta-Vistic SVD Membrane resin binder component B into the pail containing component A. Blend thoroughly to a homogenous mixture with a power drill motor and jiffy type mixing blade for approximately 2 minutes. Then slowly add the powder component C while continuing to mix. Mix for an additional 2 minutes after all the powder has been added. Inspect the mixed material to verify it is well mixed with no unmixed lumps or striations. Allow the mixed material to set a few minutes to allow any excess entrapped air to migrate out of the material.
- C. Pour the mixed Elasta-Vistic Membrane onto the primed deck and spread it out evenly over the surface with a 1/4" V-notch trowel. Trowel the material out in all directions to produce an even surface and allow material to self-level.
- D. A 5-gallon unit of Elasta-Vistic SVD Membrane mix will cover approximately 200 square feet of decking area at 40 mils thickness.
- E. After material has been applied, and flowed out, backroll the wet basecoat with a spiked roller to allow entrained air or gasses to escape. Continue rolling over the basecoat until it levels out and the occurrence of bubbles has dissipated.

### STEP Three – Underlayment

#### Dex-Screed Underlayment

Mix Ratio: 1 Gal: 49 lbs agg      Pot Life: 20 - 25 min  
Cure Time: 6 hrs – 12 hrs      Recoat Time: NA  
Coverage: 25 s.f. @ 3/16"      DFT: 187 - 1600 mils

#### SMALL AREA APPLICATION TECHNIQUE

A. Mix together the following materials:

Dex-Screed Powder      1 bag (49 lbs.)  
Clean potable water      1 Gallon



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Mix together 1 gallon clean potable water for every 49 lbs. of Dex-Screed Powder. Blended with a medium speed ½” chuck drill mounted with a beater style mixing blade. (For Larger applications refer to next section “large applications technique”). Gradually pour the Dex-Screed powder slowly into premeasured water while mixing. Take care to thoroughly blend the mixture in to a smooth homogeneous compound with no dry lumps. Take care to prevent air entrainment.

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The mix ratio is

Dex-Screed Powder	1 bag (49 lbs.)
Clean potable water	1 gallon

- B. Use spiked shoes or cleats to walk out on the area to receive the Dex-Screed. Pour the Dex-Screed in a ribbon across the area to be leveled. Spread the Dex-Screed Underlayment with a gauge rake set at the desired thickness.
- C. Once the Dex-Screed is placed use the smoothie tool to gently float across the surface and float the material into place. Take care not to press too hard that you move the material around use a light touch just to break the surface tension of the material. Use spiked shoes or cleats to keep from stepping directly into the material and displacing the underlayment. Do not overwork the material or attempt to move it after initial set.
- D. Allow to cure 12 hours before allowing light foot traffic. Allow a minimum 24 hour cure before proceeding with application of any impermeable floor covering or coatings. The Dex-Screed must be prepared by mechanical abrasion or light blasting when a subsequent application of resinous flooring is to be installed.

- B. Use spiked shoes or cleats to walk out on the area to be coated. Pour the mixed Dex-Screed from the nozzle of the hose into a ribbon across the area to be leveled. Spread the Dex-Screed Underlayment with a gauge rake set at the desired thickness.
- C. Once the Dex-Screed is placed use the smoothie tool to gently float across the surface and float the material into place. Take care not to press too hard that you move the material around use a light touch just to break the surface tension of the material. Use spiked shoes or cleats to keep from stepping directly into the material and displacing the underlayment. Do not overwork the material or attempt to move it after initial set.
- D. Allow to cure 12 hours before allowing light foot traffic. Allow a minimum 24 hour cure before proceeding with application of impermeable floor covering or coatings.

The working time of Dex-Screed is approximately 20-25 minutes (from when the material is first mixed) at an ambient temperature of 70°F to 75°F (21°C to 24°C). A one bag mix should cover approximately 25 sq. ft. at 3/16” (4.77 mm) thickness.

### LARGE AREA APPLICATIONS TECHNIQUE

Overnight cure is desirable before application of any other deck finish.

### **Cautions**

- A. Using an auger style pumping machine (such as the Wade Industries pump) set the automatic water volume to 4 quarts per bag. Pour Dex-Screed Underlayment powder into the hopper. Keep underlayment powder in the hopper at all times. Examine the material as it is being poured into the hopper to be sure there are no lumps of dried powder being placed into the pump. Take care not to get any foreign materials such as pieces of the bags into the

1. For proper workability it is important the Dex-O-Tex materials be stored and mixed at a temperature of 65°F-80°F.
2. The substrate temperature should be between 65°F-80°F. A warm substrate will decrease the



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pot life and make the material sticky. A cooler substrate will retard the cure and may cause a blush of the polymeric resins. Deck surface and room temperature of 65°F or slightly higher must be maintained for proper curing.

3. When mixing the polymeric resin components, be sure to use all of the provided resins. The resins are pre-measured to the correct ratios. Scrape all of the hardener from the container into the resin.
4. Do not turn mixing vessels upside down to drain on the flooring surface. Unmixed resin from the side may produce soft or uncured spots on the flooring surface.
5. Keep the unfinished flooring surface clean. Do not track dirt, grease, or any other contaminate onto the unfinished flooring.
6. Good ventilation must be provided during application, particularly in confined spaces.
7. Always obtain, read and observe Manufacturers Safety Data Sheets (MSDS) before handling polymeric materials. Become familiar with the products on paper before you open the cans.

### General Conditions for Safe Handling of Polymeric Resinous Flooring Systems

1. Read and observe precautionary statements on product labels.
2. Keep containers tightly closed.
3. Keep out of reach of children.
4. For industrial use only. Do not allow application by untrained workers.
5. Remove contaminated clothing and shoes. Wash clothing before re-use.
6. Use of safety goggles and chemical resistant gloves is recommended. Wear only full-length trousers and log-sleeve shirts. Apply protective creams to exposed skin areas.
7. In general, prolonged contact of polymeric resins with skin may cause irritation. Contact with curing agents may cause skin burns. Products may cause skin sensitization or other allergic responses. Avoid all contact with eyes.

8. In case of contact with skin, immediately remove the material with soap and water. Upon completion of work at lunchtime or end of day, carefully check all skin surfaces for any traces of polymeric resins. Wash with soap and water. If wash facilities are not located nearby, establish water-washing station at work site. DO NOT use solvents to remove polymeric resins from skin, as solvents will drive polymeric resins deeper into skin. If redness or skin rash develop, consult a physician.
9. In the event of eye contact, flush immediately with plenty of water for at least 15 minutes. Consult a physician immediately.
10. Mix and apply polymeric resin materials only in conditions of good ventilation. Avoid breathing vapors. A fan to circulate fresh air may be needed. Certain polymeric resin products and/or certain working conditions require use of NIOSH/MSA organic vapor respirator. Consult MSDS.
11. First Aid for inhalation: if effects occur, remove patient to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get immediate medical attention.



### DOT MARINE PRODUCT LINE Crossfield Products Corp.

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