The Euclid Chemical Company

VIBRA STAIN SB

Acetone-Soluble Dye for Concrete

DESCRIPTION

VIBRA-STAIN SB dyes are manufactured from blends of concentrated powdered-metallic dyes and are formulated for dilution with acetone. **VIBRA-STAIN SB** is designed for use on concrete that will be polished with liquid hardeners such as **EUCO DIAMOND HARD**.

FEATURES / BENEFITS

- Adds vibrant colour to concrete.
- Not acid based.
- May be sprayed, brushed, sponged, or rolled on.
- **VIBRA-STAIN SB** colours are easily blended to create custom colours.
- Great for polished concrete.

PACKAGING

VIBRA-STAIN SB is avaiable in 236 mL bottles for a 3.78 L dose.

SHELF LIFE

4 years in original, unopened container.

COVERAGE

Coverage will vary with surface condition, porosity, application technique, dilution and desired effects. Average coverage is 6.1 to 9.8 m^2/L.

DIRECTIONS FOR USE

PREPARATION:
Protect all adjacent surfaces that will not be dyed. Use masking materials that will not be affected by the acetone. Apply a test patch of **VIBRA-STAIN SB** to verify colour and reaction with slab.

Existing Concrete: All curing agents, sealers, coatings, waxes or water repellants must be removed before application. Next, clean and degrease the slab using GREASE-A-WAY at the recommended dilution. Rinse with clean water and allow surface to completely dry. Surface should be tested to verify its ability to accept the stain. If water beads on the surface, further cleaning is required. Surface should be mechanically abraded to improve penetration and produce darker, richer colours. Rinse thoroughly and allow to dry.

New Concrete: New concrete must be cured at least 14 days prior to application of **VIBRA-STAIN SB.** Surface should be mechanically abraded to improve penetration and produce darker, richer colours.

MIXING:
Add entire contents of bottle to 3.8 L of acetone and stir until completely dissolved. It is recommended to let the mix sit for at least 1 hour prior to application to guarantee complete dilution. Only apply using sprayers that are rated for use with acetone.

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General Polishing

Tooling recommendations and specific steps are dependent upon many variables, such as concrete condition, equipment, and desired look. Please consult tooling manufacturer for their recommendations. The following procedure is a generic guideline, and field testing is needed before the project begins.

Step 1: Using the coarsest grind first, begin to prepare the surface. Grind with successively finer grits, using metal-bonded diamond tooling.

Step 2: After grinding with 100-400 metal-bonded-grit, clean the floor with clean water and rinse.

Step 3: Mix 1 bottle of **VIBRA-STAIN SB** with 3.8 L of acetone, and allow to dissolve completely. Apply stain evenly with an acetone-resistant pump sprayer or other recommended method. The dilution rate may be adjusted to achieve the desired results, or multiple coats may be applied if needed.

Step 4: Apply the densifier at a rate of approximately 6.14 m^2/L, using a microfiber pad. Remove excess material from slab when the densifier begins to thicken.

Step 5: Polish with 400 to 600 resin-bonded-grit diamond tooling.

Step 6: Re-evaluate colour, and re-apply **VIBRA-STAIN SB** if desired being certain that there is no residual dye on the surface before polishing. Residual dye can bond to polishing media and cause streaking or marring on the surface.

Step 7: Continue polishing with increasingly finer, resin-bonded-grit diamond tooling until desired finish is achieved.

Step 8 (Optional): To apply a final coat of densifier, thoroughly clean the surface to remove any slurry, dust, and other surface debris. Apply densifier at a rate of approximately 17.18 m^2/L using a microfiber pad. Allow to dry.

Step 9: Apply **EUCO DIAMOND HARD**. Buff the entire floor with one pass of a diamond-impregnated buffing pad using a high-speed propane burnisher.

APPLICATION ON LEVEL TOP SP - Overlays must be allowed to dry completely (see overlay instructions for curing time) prior to application of **VIBRA-STAIN SB**. Surface may be mechanically abraded prior to application to improve penetration and to produce darker, richer colours.

Each surface must be dry, dust-free, prepared and tested, It is recommended to apply a small amount of **VIBRA-STAIN SB** on an inconspicuous area to visually test for colour and absorption. Mix as directed and apply with acetone-resistant sprayer. Allow surface to dry and if desired, recoat for a deeper, richer colour. Once dry, stained surfaces may be sealed to protect the surface and bring out the full effect of the stain. The following clear sealers may be used on **VIBRA-STAIN SB: EVERCLEAR VOX OR ULTRAGUARD**.

Precautions / Limitations

- **VIBRA-STAIN SB** is for interior use only. Use only with adequate ventilation.
- Once dye is mixed with acetone, mixture will be highly flammable.
- Do not apply in areas where they will be exposed to direct sunlight. Fading may result from UV exposure.
- Excessive moisture in the slab may cause fading. A substrate moisture content of no less than 85% RH is recommended.
- **VIBRA-STAIN SB** is translucent and will not cover defects or blemishes in concrete.
- Variations in concrete will affect how the surface accepts stain. Always perform a test spot prior to application to be sure the desired effect is possible.
- For professional use only
- In all cases, consult the Safety Data Sheet before use.