



ROCK-TRED's SPORTSMAT with Vinyl Flake or Rubber Blend Broadcast Soft Flooring System Installation Guidelines

This tech guide provides a working outline to install ROCK-TRED's SPORTSMAT and ELASTI-THANE System with either a Vinyl Flake or Rubber Blend/EPDM finish. The finished flooring system is sound attenuating and has an impact resistant and anti-fatigue springy feeling from the SPORTSMAT underlayment and elastomeric coatings. The finished color and pattern can be chosen from among ROCK-TRED's Standard Solid Colors, Rubber Blend Colors or from any ROCK-TRED Flake Color Chart. The finished texture can be varied from smooth to highly anti-slip depending upon the job requirements. Using typical installation methods Vinyl Flake systems will be smoother and Rubber Blend Systems will be rougher by nature of the size and shape of the two different broadcast media.

Estimating ROCK-TRED's SPORTSMAT Underlayment:

ROCK-TRED SPORTSMAT is available in thicknesses from 4mm to 9mm. Six mm thickness is approximately ¼" and is the standard recommended thickness for most applications. As the thickness of the SPORTSMAT increases so does the cushioning effect in the finished floor. Each SPORTSMAT roll is 59" wide and a minimum of 82' long. Pricing the SPORTSMAT is a function of thickness and length. To calculate the cost of the SPORTSMAT multiply \$.17 per mm of thickness by the square footage of the mat ordered (minimum order is 403 square feet). For example, a 6 MM mat in the minimum 59" x 82' roll would cost $(6 \times \$0.17) \times 403 = \411.06 . Note that these mats are very heavy and cannot be unloaded by hand. If you are at a jobsite without a truck dock make sure to request a lift gate truck for delivery.

Preparation:

Regardless of how the system will be finished we recommend the concrete substrate be mechanically prepared via diamond grinding or shot-blasting to a minimum CSP-2 profile. All non-moving cracks, joints, spalls, etc. should be pre-patched using suitable materials such as POXI-ROCK FLOORING MORTAR, CRACK N PATCH and/or RQP. All joints with minor movement should be prepared and filled with either ELASTI-THANE BASE COAT or ELASTI-POXI JOINT FILL. Control joints where significant movement is expected may require special treatment. Please call ROCK-TRED for details regarding their treatment.

Apply SPORTSMAT Underlayment:

After preparation is complete and the patching is cured the concrete surface should be evenly coated using a notched trowel with ROCK-TRED's SPORTSMAT ADHESIVE at an approximate coverage rate of .20 pounds per square foot (approximately 280 square feet per kit). Immediately place ROCK-TRED SPORTSMAT into the wet adhesive butting all seams flush. A

carpet roller can be used to smooth the SPORTSMAT and help even it out. Next, apply ROCK-TRED's SPORTSMAT PORE FILLER to fill the pores of the SPORTSMAT and make it ready for the finish coats. SPORTSMAT PORE FILLER is applied at approximately .25 pounds per square foot (approximately 175 square feet per kit) using a notched trowel. After application allow the PORE FILLER to cure prior to proceeding to finish coats.

FINISH OPTION ONE - Flake Broadcast:

Apply a broadcast coat of ELASTI-THANE TOPCOAT 2K at an approximate spread rate of 150 square feet per gallon. ELASTI-THANE TOPCOAT 2K may be thinned with up to 10% xylene to promote flow and leveling. This broadcast coat should be tinted to mask the substrate using ROCK-TRED's Universal Colorant in a color that compliments the flake. While the coating is still wet immediately broadcast the vinyl flake. Coverage rate on the flake will be approximately .20 pounds per square foot for a full broadcast or .02 pounds per square foot for a random broadcast. After the broadcast coat is dry sweep and/or scrape excess flake. Last, apply a finish coat of ELASTI-THANE TOPCOAT 2K in clear at an approximate coverage rate of 80 square feet per gallon. The ELASTI-THANE TOPCOAT 2K can be thinned with 10% xylene to increase flow and leveling and to reduce bubbling. To add system thickness and durability you may repeat the above step to install multiple broadcast lifts of flake to rejection into ELASTI-THANE TOPCOAT 2K.

FINISH OPTION TWO – Rubber Blend EPDM Finish:

Apply a broadcast coat of ELASTI-THANE TOPCOAT 2K at an approximate spread rate of 150 square feet per gallon. ELASTI-THANE TOPCOAT 2K may be thinned with up to 10% xylene to promote flow and leveling. This broadcast coat should be tinted to mask the substrate using ROCK-TRED's Universal Colorant in a color that compliments the EPDM. Immediately broadcast the EPDM to rejection into the wet coating. Coverage rate on the EPDM will be approximately .33-.40 pounds per square foot per broadcast lift. After the broadcast coat is dry sweep off the excess EPDM. You may sand and then vacuum the EPDM to reduce the finished texture if so desired. Last, apply a finish coat of ELASTI-THANE TOPCOAT 2K in clear at an approximate coverage rate of 65-80 square feet per gallon. The ELASTI-THANE TOPCOAT 2K can be thinned with 10% xylene to increase flow and leveling and to reduce bubbling. To add system thickness and durability multiple broadcast lifts of EPDM broadcast to rejection can be installed by repeating the broadcast steps above. If you are installing more than one broadcast you may substitute the less expensive ELASTI-THANE BASECOAT in amber/clear for the broadcast coat binder resin, but you should always use ELASTI-THANE TOPCOAT 2K for the finish coat since it is a water clear and color stable product. When building a thick finish coat, or for a less aggressive finish, two thinner coats of ELASTI-THANE TOPCOAT 2K are recommended to maintain clarity and reduce bubbling rather than using one heavier coat.

FINISH OPTION THREE – ROCK-TRED Standard Solid Color Finish:

Apply two consecutive coats of ELASTI-THANE TOPCOAT 2K at an approximate coverage rate of 100 square feet per gallon per coat in the solid color of your choice. The ELASTI-THANE TOPCOAT V.2012 can be thinned with 10% xylene to increase flow and leveling and to reduce bubbling.

***OPTIONAL:* High Performance Gloss or Matte Protective Finish Coating**

For superior resistance to scratch and scuff abrasions, staining, UV discoloration and general wear we strongly recommend finishing all ROCK-TRED SPORTSMAT FLOORING SYSTEMS with one protective high performance finish coat of ELASTI-FLEX WB in either the GLOSS or MATTE finish. Apply this final coating at 500-600 square feet per gallon.