



ROCK-TRED's Flake Broadcast Soft Flooring System Installation Guidelines

This tech guide provides a working outline to install ROCK-TRED's ELASTI-THANE and vinyl flake finished soft flooring system. The finished flooring system has a cushioned feel from the elastomeric coatings and provides impact resistance and sound deadening qualities. The color and size vinyl flake added into the finish can be chosen from ROCK-TRED's standard flake color charts. By selecting from a random or full broadcast of flake the finished appearance of the floor can be significantly changed. By adding/subtracting the slurry applied base coat and/or by installing more than one broadcast of flake the system can vary in thickness and durability.

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 moving joints should be honored and filled with either ELASTI-THANE BASE COAT or ELASTI-POXI JOINT FILL.

Priming:

After preparation and patching the surface should be primed with an application of POXI-ROCK PRIMER at a spread rate of approximately 100-150 square feet per gallon (depending on substrate porosity). As the primer is being applied a partial broadcast of PCA322 aggregate should be broadcast and back rolled into the coating to promote bonding of subsequent coats.

Base Coat (optional):

For a softer feel, or when a heavy traffic or more impact resistant system is required, a 3/16" slurry coat application of ELASTI-THANE MEMBRANE or ELASTI-THANE MEMBRANE WB should be applied. Mix 10 pounds of PCA323 aggregate per gallon of MEMBRANE and apply using a cam rake. Coverage rate on the slurry should be approximately 30 square feet per mixed gallon when applied at 3/16". ELASTI-THANE MEMBRANE is only available in Light Gray, but ELASTI-THANE MEMBRANE WB is manufactured in an Off-White color base that can be pigmented using ROCK-TRED UNIVERSAL COLORANTS. Choose a color for the slurry coat that will provide the correct background color for your system. Allow the slurry to self-level for a few minutes and then roll with a steel tine porcupine roller to release any entrapped air. After the slurry base coat is cured check the material for any blush residue (oily, slimy or sticky film on the top). This blush reaction occurs rarely and is due to environmental conditions. The blush is more likely with the ELASTI-THANE MEMBRANE WB. If there is any blush residue remove it by washing with ROCK-POWER, rinsing with clean water and allowing the surface to dry.

Flake Broadcast:

Apply a broadcast coat of ELASTI-THANE TOPCOAT 2K at an approximate spread rate of 125 square feet per gallon. ELASTI-THANE TOPCOAT 2K may be thinned with up to 10% xylene for easier application. Apply the broadcast coating in clear if you have already installed a solid color base coat. If necessary, you may pigment the broadcast coat of ELASTI-THANE TOPCOAT 2K using ROCK-TRED UNIVERSAL COLORANTS, but broadcasting into clear is preferred since the color of the flake will not be skewed. While the coating is still wet immediately broadcast the vinyl flake. Coverage rate on the flake will be approximately .15 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.

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 SOFT 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.

OPTIONAL: Subsequent Broadcast Lifts

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.