



ROCK-TRED's RUBBER BLENDS EPDM Broadcast Soft Flooring System Installation Guidelines

This tech guide provides a working outline to install ROCK-TRED's EPDM and ELASTI-THANE soft flooring system. The finished flooring system has a cushioned feel from the EPDM granules and elastomeric coatings and provides impact resistance and sound deadening qualities. The EPDM granules are available in several decorative color mixtures and most of the colors are highly UV tolerant. By adding/subtracting the slurry applied base coat and by installing more than one broadcast of EPDM the system can vary in thickness and "softness".

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. *Note: If the system will be a single broadcast installation and will not include a slurry base coat application we recommend the primer coat be pigmented in a solid color complimentary to the chosen blend of EPDM.*

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 will be approximately 30 square feet per mixed gallon of material 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.

First Broadcast:

Apply ELASTI-THANE BASECOAT in amber/clear at an approximate spread rate of 100 square feet per gallon and broadcast EPDM to rejection. Coverage rate on the EPDM will be approximately .33-.40 pounds per square foot per broadcast lift. After the ELASTI-THANE BASECOAT is dry sweep off the excess EPDM. You may also sand and vacuum the EPDM to reduce the finished texture if so desired. Apply ELASTI-THANE TOPCOAT 2K in clear at an approximate coverage rate of 65-80 square feet per gallon as the finish coat. We recommend thinning the ELASTI-THANE TOPCOAT with xylene at 10% by volume to increase the flow and leveling and to lessen the chance for bubbling. 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.

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 multiple broadcast lifts of EPDM broadcast to rejection can be installed by repeating the broadcast steps above. You may use ELASTI-THANE TOPCOAT V.2012 in clear or ELASTI-THANE BASECOAT in amber/clear as the broadcast coats, but should always use ELASTI-THANE TOPCOAT 2K for the finish coat since it is a water clear product.