

Technical Data

Packaging: 5 gal. pail

Coverage: up to 750 ft.² per pail
@ 2 coats or 16 mils (wet)

Adhesion:

- *Cement board*—substrate fail
- *Plywood*—substrate fail
- *Polystyrene*—substrate fail
- *Thin-Set*—395 psi

Elongation ASTM D-638:

7—day dry 580%

7—day dry / 21 day wet 657%

Permeability ASTM E-96:

0.013

Tensile ASTM E-96:

7—day dry 335 psi

7—day dry / 21 day wet 562 psi

Limitations:

Do not use as a wear surface. Do not use below grade. Apply when substrate and ambient temperature are at 40°F (4°C) and rising and remain in this range for 72 hours after installation. Protect product from freezing. Do not apply over wet surfaces or surfaces subject to hydrostatic pressure. Never use to bridge construction joints (i.e. control, expansion, isolation joints)

WARRANTY

Warranty of this product, when used according to the directions, is limited to refund of purchase price, or replacement of product (if defective), at manufacturer's/seller's option. SureCrete Design Products shall not be liable for cost of labor or direct and/or incidental consequential damages

DESCRIPTION AND USE

SureCrete's Elasto-Shield is a ready-to-use waterproofing and crack prevention elastomeric liquid membrane that provides water-proofing for all *SureCrete* cementitious coatings systems. No catalyst or solvents are part of this water borne system. No special safety equipment or respirators are required (unless sprayed). The lack of a catalyst eliminates pot-life problems. The single component formulation may be applied by brush, roller, or airless sprayer to many construction substrates, including (but not limited to):

- Concrete, concrete block
- Polystyrene (including ICF)
- Plywood, OSB
- Cement backer boards

Although specifically created for *SureCrete* coatings, *Elasto-Shield* is also ideally suited for use with ceramic tile, stone, and EFIS applications. It forms a continuous water-proofing barrier with outstanding adhesion and reduces crack transmission in floors.

Elasto-Shield provides superlative flexibility and elongation with water-proof properties that allow the span of cracks and voids in the substrate. Upon cure the membrane will not soften with high temperatures or become brittle with lower temperatures.

Before product cures, clean-up is achieved simply with soap and water. Quick dry times between coats reduce job time.

APPLICATION

All surface areas to be coated must be structurally sound, cured, and clean. Remove all laitance, efflorescence, chemical contaminants, grease, oil, old paint, rust, algae, mildew, and other foreign matter. When *Elasto-Shield* is placed upon concrete and cementitious substrates, slightly misting the porous surface can be advantageous. Membrane that is formed must remain dry during curing.

Care must be exercised so that completed projects slope to proper drain or can drain completely to grade sloping away. No standing water is tolerated.

Any cracks or voids in excess of 1/8" must be treated independently of waterproofing application.

No standing water or wet conditions can be tolerated during application or curing of membrane.

Joints and splices between sheet products must be coated before the "field" of the sheet. Likewise, changes in planes (floor to wall) will require coating prior to coating the "field." Utilize a 3/4" nap roller to apply product to properly prepared substrate. Corners at changes in planes may be brushed. Overlapping strokes will provide for an even film. While the membrane is still tacky, lay polyester stitch bond fabric into all joints and splices. Apply second coat of *Elasto-Shield* to create a "sandwich" of fabric between two (2) layers of waterproof membrane at each of the sheet products' joints and splices.

After the joints and splices have dried, cover the entire surface area with the two (2) coats of *Elasto-Shield*.

Prior to application of second coat, carefully inspect membrane for any bare spots or holes. Fill and cover any voids or pinholes with additional material.

All other substrates require two (2) coats of *Elasto-Shield*. Dry times between coats is in the one (1) to two (2) hour time frame. Second coat may be applied after the first coat is no longer tacky. *Elasto-Shield* may be alternatively applied with a painter's airless sprayer. Equipment must be able to produce 1900—2300 psi and provide an orifice size 0.025—0.029. Provide a NIOSH approved respirator if product is spray applied to prevent inhalation of atomized particulate.