

A Quality Product from Hawkeye Industries Inc.



Duratec® StyroShield™ Primer (707-018)

Duratec StyroShield Primer is an air-cure polyester primer that can be applied directly to polystyrene foam (Styrofoam™). When cured, StyroShield forms a barrier that allows the use of conventional polyester laminating resins, tooling putty, or other Duratec products.

Duratec StyroShield Primer is the right choice for—

- Making patterns from low-cost polystyrene foam
- Making prototype molds, or mold-direct construction
- Anchoring decorative paints onto polystyrene foam

- Sealing forms for cast concrete
- Sealing architectural fixtures

In addition, StyroShield —

- Contains microspheres, which provides insulation for polystyrene foam
- Allows polystyrene foam to be substituted for urethane foam

Duratec StyroShield Primer

707-018



Mix, catalyze and use

- Application through HVLP spray systems or dump guns.
- Tip size of 2.5 mm (100 mil) or larger is recommended
- Use 15 cc/quart or liter of Syrgis 925 or a comparable MEKP catalyst. (2% by weight)
- Thorough mixing is required. Use a drill-driven mixer or paint shaker.
- The microspheres will float to the top, and form a hard crust. The crust can be mixed back into the Primer. When possible, store the StyroShield Primer container upside down
- Topcoat or laminate over StyroShield when the surface has to cured until a slight tack remains. No coating should transfer when the coating is touched.

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Hawkeye Industries Inc.

P O Box 415 Bloomington, CA 92316

Tel 909-546-1160; Toll Free 800-977-0060; Fax: 909-546-1161

Email hawkeyesales@hawkeyeind.com Web www.duratec1.com

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Data Sheet
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- Do not add solvent to the StyroShield Primer. Solvents will attack polystyrene foam.
- Some rough expanded polystyrene foams will have deep pits on the surface. Sealing the pits is necessary to prevent penetration by resins or topcoats. If pits or voids are observed after spraying the StyroShield primer, drag a paintbrush, drywall trowel or metal squeegee across the surface to force primer into the voids.
- Apply at least 20 mils (450 microns) of StyroShield to the surface to assure complete coverage and surface protection.
- Clean up with Acetone or a similar cleaning product.
- Application with brush or roller is not advised.

Product Properties

All time calculations are based on temperatures of 77° F, 25°C

Weight per gallon	5.5-6
Viscosity at 20 rpm <i>(As measured on a Brookfield Viscometer Model RVF, Spindle #2 at 20 rpm)</i>	1800 to 2000 cps
Thixotropic Index	Minimum 4
Gel Time (2% MEKP 925)	30 to 60 minutes
Color	Dark Gray Liquid
Cure time (until tacky, no transfer) at 72° F and 20 mils film thickness	Approximately 2.5 hours



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