TECHNICAL DATA SHEET

2K PROTECTIVE COATINGS

DESCRIPTION

The Seymour 2K Protective Coating Spray-On Kit features a proprietary, hybrid polymer coating that utilizes polyurethane resins for extreme durability and polyurea resins for superior strength with ultimate flexibility. It is designed to be applied using an easy shake-and-shoot method with the Seymour Schutz spray gun (Part #: 0Z0GUN0001). It can be applied over various properly prepared substrates to achieve an unparalleled mar-resistant protective coating.

FEATURES

- Advanced hybrid-polymer technology
- Forms an extremely tough & flexible membrane
- Impact, mar, and abrasion resistant
- Textured non-slip grippy surface
- Easy shake & shoot application
- UV stable

SUBSTRATES

- Original paint
- E-coat*
- Steel*
- Aluminum*
- Galvanized*
- Rigid plastic*
- Semi-rigid plastic*
- Fiberglass*
- GRP* (Glass Reinforced Plastic)
- FRP* (Fiber Reinforced Plastic)
- SMC* (Sheet Molding Compound)

*These substrates require additional preparation before applying Seymour 2K Protective Coating.
Refer to substrate preparation in the preparation section.
Seymour 2K Protective Coating does not adhere to polyethylene even with the use of an adhesion promoter.

SPECIFICATIONS

Mixing	3 parts of Part A: 1 part of Part B
Pot Life	20 minutes at 68º F
Coats	Minimum 2 wet coats and 1 texture coat
Recoat Time	Maximum 24 hours
Air Pressure	60-75 PSI
Flash Time Between Coats	No flash time between the first 2 wet coats. 4 hours if an additional 2 coats are applied. Minimum 45 minutes before texture coat.
Coverage	Approximately 150 sq. ft. per gallon/kit
Dry to Touch	3 hours @ 68º F
Light Use	24 hours
Full Use	72 hours
VOC	RTS 2.6

CHEMICAL RESISTANCE

- Gasoline: Splash resistant
- Diesel: No effect
- Bleach: No effect
- Ammonia (urine): No effect
- Most oils: No effect

2K PROTECTIVE COATINGS

PREPARATION

ALWAYS WEAR OSHA REQUIRED (PPE) PERSONAL PROTECTION EQUIPMENT AS OUTLINED IN THE SDS AND PRODUCT LABEL.

1. Pressure-wash the surface if needed.
2. Clean the surface with a water-based surface cleaner and dry with a clean cloth.
3. Clean with a solvent-based surface cleaner or isopropyl alcohol and dry with a clean cloth.
4. Remove any loose paint or corrosion.
5. Abrade the surface with a nylon cup brush (bed brush), P120-P180 grit sandpaper or a coarse scuff pad. Do not leave any shiny spots. Sand hard to reach areas thoroughly with a coarse scuff pad. Blow off or vacuum.
6. Reclean with a water-based surface cleaner and dry with a clean cloth.
7. Reclean with a solvent-based surface cleaner or isopropyl alcohol and dry with a clean cloth. The surface must be completely dry before proceeding.
8. Prime small sand thru areas with Seymour PBE Self-Etch Primer 20-1682* Black.[1]
9. Remove or mask any surface not to be covered with Seymour 2K Protective Coating.

* Treat any large bare metal areas (larger than a quarter) with a 2K DTM or 2K epoxy primer.[1] All primers must be completely covered with Seymour 2K Protective Coating.

SUBSTRATE PREPARATION

RAW STEEL, RAW ALUMINUM, AND GALVANIZED

1. Clean the surface with a water-based surface cleaner and dry with a clean cloth.
2. Clean with a solvent-based surface cleaner or isopropyl alcohol and dry with a clean cloth.
3. Remove any loose paint or corrosion.
4. Abrade the surface with P80-P120 grit sandpaper. Do not leave any unsanded areas. Sand hard to reach areas thoroughly with a coarse scuff pad. Blow off or vacuum.
5. Reclean with a solvent-based surface cleaner or isopropyl alcohol and dry with a clean cloth. The surface must be completely dry before proceeding.
6. Prime with a 2K DTM primer or a 2K epoxy primer.

E-COAT

1. Clean the surface with a water-based surface cleaner and dry with a clean cloth.
2. Clean with a solvent-based surface cleaner or isopropyl alcohol and dry with a clean cloth.
3. Scuff with a coarse scuff pad, take care not to scuff through the E-coat. Blow off or vacuum.
4. Reclean with a water-based surface cleaner and dry with a clean cloth.
5. Reclean with a solvent-based surface cleaner or isopropyl alcohol and dry with a clean cloth. The surface must be completely dry before proceeding.

Note: For optimal durability, it is recommended that the E-coat is primed with a 2K urethane or epoxy primer before applying Seymour 2K Protective Coating.
E-coats are not UV resistant. If the protective coating gets damaged and the E-coat becomes exposed to sunlight, it could result in a failure of the protective coating.

RAW (UNPAINTED) RIGID AND SEMI-RIGID PLASTIC (EXCEPT POLYETHYLENE)

1. Clean with a scuffing paste and a gray scuff pad.
2. Rinse thoroughly with clean water to remove all residue and dry with a clean cloth. (Scuffing paste residue must be removed completely before top coating. Failure to do so may result in adhesion failure)
3. Clean with a water-based surface cleaner and wipe with a clean cloth.
4. Allow the surface to dry completely.
5. If necessary, repeat the steps 1-4 above until the surface is completely clean.
6. Clean with 70% isopropyl alcohol and wipe with a clean cloth.
7. Apply a coat of Seymour PBE adhesion promoter.

FIBERGLASS, GRP (GLASS REINFORCED PLASTIC), FRP (FIBER REINFORCED PLASTIC) AND SMC (SHEET MOLDING COMPOUND)

1. Clean the surface with a water-based surface cleaner and dry with a clean cloth. Do not oversaturate exposed fibers with any surface cleaner.
2. Clean with a solvent-based surface cleaner or isopropyl alcohol and dry with a clean cloth.
3. Abrade the surface with P80-P120 grit sandpaper. Do not leave any shiny spots. Sand hard to reach areas thoroughly with a coarse scuff pad. Blow off or vacuum.
4. Reclean with a water-based surface cleaner and dry with a clean cloth.
5. Reclean with a solvent-based surface cleaner or isopropyl alcohol and dry with a clean cloth. The surface must be completely dry before proceeding.
6. For best results, prime with a 2K urethane primer or a 2K epoxy primer.

2K PROTECTIVE COATINGS

MIXING

Product	Mix	Reducer
Part A (Shake and Shoot Bottle)	3	Do Not Reduce
Part B	1	Do Not Reduce

Do not tint Seymour 2K Protective Coating. It is currently available in black only.

1. Add 8 oz. of Part B to Part A in the Shake and Shoot bottle and replace the cap. Mix only one bottle at a time. Reserve the last bottle for the texture coat.
2. Immediately turn the bottle upside down and shake it VIGOROUSLY by hand for 30 seconds.
3. Allow the mixture to rest for one minute.
4. Shake the bottle again vigorously for 30 seconds.
5. Proceed to Application section.
6. For the Texture coat (usually the last bottle):
   a. Add 8 oz. of Part B to Part A in the Shake and Shoot bottle and replace the cap.
   b. Immediately turn the bottle upside down and shake it VIGOROUSLY by hand for only 30 seconds. (Shaking more than 30 seconds lowers the viscosity and therefore will result in a finer texture.)
   c. Proceed to Application section.

Note: Do not use a paint shaker.
Carefully observe shake times in order to achieve desirable results.

APPLICATION

COVERAGE COATS:

Immediately after mixing:

1. Remove the cap and attach the Seymour Schutz gun.
2. Apply 2 wet coats at 60-75 PSI to achieve coverage at approx. 12-18 in. from the surface.
   a. Clean the Seymour Schutz gun between mixes, using Seymour PBE Paint Gun Cleaner #20-1685.*
3. Wait at least 45 minutes before applying the texture coat.

*If additional coats are desired for added durability and impact resistance, follow these steps:

- After the initial 2 coverage coats, allow a four-hour flash time @ 68°F.
- Apply 2 more coverage coats.
- After the 45-minute flash time, apply the texture coat.

A test panel is recommended to ensure the desired texture.

TEXTURE COAT:

The texture coat is a very light coat applied at an increased distance to achieve the desired textured appearance.

1. After the 45-minute flash time, apply the texture coat (for temperatures below 68°F, allow a longer flash time).
2. Apply the texture coat with an even, sweeping motion at an increased distance of 24 -36 in.
3. Remove the masking tape adjacent to the protective coating while the coating is still wet.
4. All equipment should be thoroughly cleaned immediately after use.

Painter's Tip #1: If it feels like the product is spraying slow (the Shutz gun is starving), shake the material for an additional 5-10 seconds. Make sure that the vent hole is open before continuing to spray.

Painter's Tip #2: As the product is getting low in the bottle, you may experience spitting. Tap the bottom of the bottle against a solid surface a couple of times.

Note: Variations in temperature, air pressure, distance from the surface, and applicator used will affect the texture.

APPLICATION [CONT.]

TOPCOAT (OVERPAINT):

Although Seymour 2K Protective Coating may be topcoated within 24 hours with a 2K urethane finish, it is not recommended. Topcoating will eliminate the grippiness and it will no longer be slip resistant. Also, a topcoat without flex additive can easily be damaged due to the flexibility of the Protective Coating.

Products:

Part Number:	Part:	
0Z0GUN0001	Seymour Schutz Spray Gun	
002K202441	Seymour 2K Protective Coating	Kit
20-1685	Seymour PBE Professional Gun and Equipment Cleaner	Aerosol
20-1682	Seymour PBE Self-Etch Primer - Black	Aerosol
20-1681	Seymour PBE Self-Etch Primer - Gray	Aerosol
	Seymour PBE Adhesion Promoter	Aerosol
	Solvent Based Cleaner	Aerosol
	Water Based Cleaner	Aerosol
	Plastic Cleaner	Aerosol