



BULLDOG® Single Shot™ Adhesion Promoter

Technical Data Sheet for Professionals – For Use in Non-VOC Regulated States*

ESS123
PPC535, EPC535

Adhesion Promoter (5oz)
Abrasive Prep & Clean (16oz, 7.6 lb)



One & Done with BULLDOG® Single Shot™ Adhesion Promoter! Single Shot™ gives you all the power of Bulldog in a convenient, single-use container. Bulldog® combines an adhesion promoter, flex agent and blending aid in one. It is fast-drying and provides superior adhesion on all flexible and rigid plastic parts. Single Shot™ can also be charged directly to the job, making billing more accurate. **Bulldog® Abrasive Prep & Clean** is an advanced emulsion, combining water and solvent technologies. It removes wax, grease, and the mold release agents that can cause adhesion failures. It is an excellent blend prep. We offer a Limited Lifetime Warranty† when using The Bulldog System as directed.

- Dual compatibility with 3M™ PPS™ Systems*
- Accurate job costing
- Works on pre-painted metal**, plastic (TPO, polypropylene and SMC) and aluminum
- Single component, ready to spray – no mixing required
- Dries clear in 5 minutes
- Adhesion Promoter and Flex Agent in one
- Tint with basecoat for visible color coverage
- Improves flake orientation and color consistency
- Improves melt-in and edge wetting
- Not for sale in CA, CO, CT, DE, MD, NH, RI and UT.

*Bulldog® is not affiliated with or endorsed by 3M™

†Refer to www.kleanstripauto.com for details on Limited Lifetime Warranty.

Compatible Coatings: All solvent-based urethane, epoxy, or acrylic lacquers, primers, sealers, clearcoats and basecoats.

Compatible Surfaces: All common automotive plastics, as well as metal**, glass, aluminum, fiberglass, rubber, vinyl, wood, and painted surfaces. Bulldog is suitable for ground effects, new flexible and rigid bumpers, as well as plastic interior and exterior parts. (Always test in an inconspicuous area, as every surface is different. Always apply basecoats and clearcoats according to manufacturer's instructions). **Not recommended for use over bare metal.



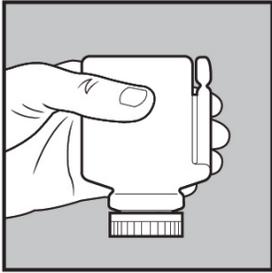


BULLDOG® Adhesion Promoter System

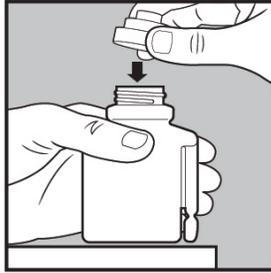
ESS123 DIRECTIONS FOR USE:

Carefully read the entire product label and all precautions on the SDS before use. Protect hands with solvent-resistant glove and eyes with chemical splash goggles. Proper preparation is critical to the success of all repairs. Clean the surface using Bulldog® Abrasive Prep & Clean.

1. Tack surface thoroughly with a clean tack cloth.



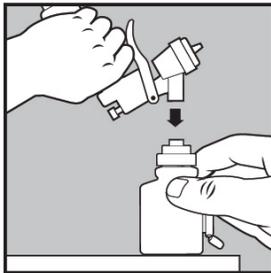
2. Shake well. Invert bottle so vent tube is clear of liquid.



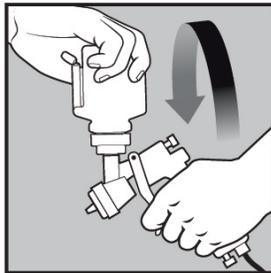
3. Turn bottle upright and place on a flat surface. Remove cap and seal and apply the friction fit coupler.



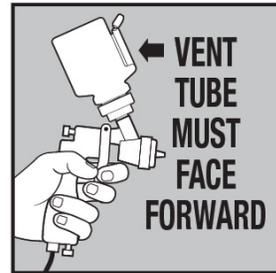
4. Break the seal on the vent tube to allow air flow. Tab can be completely removed or bent enough to open vent and remain attached.



5. Firmly attach the spray gun to the coupler and align the vent tube to the front of the gun.



6. Supporting the bottle, turn the gun upright to begin spraying.



7. Recommended spray gun tip is 1.2mm - 1.3mm. Apply a medium closed coat ensuring uniform coverage.

8. Wait 5-10 minutes, or when tack free, before applying the next coating. Dry times vary with temperature and humidity.

Note: Can also be poured into a standard aluminum cup. When spraying, avoid bumping the container against a hard surface, as it may become disconnected. This bottle is intended for a single use and should not be refilled. This product may not be compatible with all surfaces and all conditions surrounding application. Before applying to any surface, always test in a small, inconspicuous area to ensure no damage will result. Not recommended for bare metal surfaces.

Technical Data

Recommended Gun Setup:	HVLP Tip Size 1.2mm – 1.4mm
Air Pressure:	Refer to spray gun specs
Apply:	1 medium closed coat
Dry Film Thickness	1 Coat: 0.2 - 0.4 mils
Dry Times:	5 – 10 minutes @ 70F, or tack free **Dry times vary depending on temperature and humidity.
Tinting:	Mix 90% Bulldog with 10% basecoat for visible color coverage.
Flex Agent:	Ratio 1:4 Bulldog with basecoat Ratio 1:3 Bulldog with clearcoat

Cleanup: All tools and spills should be cleaned immediately with Naked Gun® Gold Gun Cleaner (CGC111) or Naked Gun® Spray Gun Paint Remover Aerosol (ENGC11131). Clean spray gun according to manufacturer’s instructions.

Notes:

- Can also be poured into a standard aluminum cup.
- When spraying, avoid bumping container against a hard surface, as it may become disconnected.
- This bottle intended for a single use and should not be refilled.
- BULLDOG® has a 24-hour open time. If the part is left longer than 24 hours, tack, and apply 1 even, light coat of BULLDOG® before applying the next coating.
- BULLDOG® covers 400 grit scratches and above.
- This product may not be compatible with all surfaces and all conditions surrounding application. Before applying to any surface, always test in an inconspicuous area to ensure no damage will result.
- Not compatible with waterborne coatings.
- Not recommended for bare metal surfaces.

Additional Tips for Using Bulldog Adhesion Promoter

1. Use Bulldog as a mid-coat adhesion promoter, effectively “tying” multiple layers of paint together. Great for use when doing special paint effects, such as flames, two-tone paint jobs, etc. Bulldog will also improve the flop/alignment of metallic pigments in blend-out areas.
2. When using Bulldog as an added flex agent in a clear, be sure to add the Bulldog after the clear has been catalyzed. (Ratio 1:3 Bulldog to mixed clear)
3. Bulldog can be added to primer in a ratio of up to 1:3.
4. Bulldog cannot be *mixed* with waterborne paint. However, Bulldog **can** be used in a waterborne system, as long as it is applied underneath the primer-sealer.
5. Treat bare metal to prevent corrosion. Bare metal and body filler must be primed and dry or wet sanded with 400 grit sandpaper prior to applying Bulldog.



6. Metal primer overspray onto plastic surfaces should be removed, as it can cause paint failure. Bulldog overspray onto plastic is not an issue.
7. Bulldog can be used on interior parts, such as dashboards, kick panels, visors, etc., prior to dyeing or painting. Solvent-based dyes can be mixed with Bulldog (up to 50%) before application.
8. Bulldog should not be used on Lexan® or polyethylene surfaces.
9. Abrading of the substrate is essential for successful coating application. We recommend the use of Bulldog Abrasive Prep & Clean. Bare metals, OEM painted surfaces, and previous repair coats should all be abraded prior to repainting.

TECHNICAL DATA:	ESS123
Appearance	Clear, colorless to slightly hazy yellow liquid, mobile, dries to Class A water-white finish
Percent Volatile	82.75% by weight
Flash Point	32°F
CPSC Flammability Classification	Flammable
VOC Category (Max Allowable VOC)	Specialty Coatings (840 gm/liter)
Actual VOC	805 gm/liter 6.7 lbs/gal 91.6% by weight.
Storage	Store between 32°F and 95°F, in the original container.
Density	7.3 lbs/gal
Shelf Life	2 years from date of manufacture, in an unopened container
DOT	UN1866, Resin Solution, 3, PGII, Ltd. Qty
Prop 65	 This product can expose you to chemicals including Ethylbenzene and Styrene, which are known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.p65warnings.ca.gov .
Restrictions	Not for sale in CA, CO, CT, MD, DE, NH, RI and UT.

ORDERING INFORMATION

Product	Size	Pack	Lbs	Case Cube	Unit Width	Unit Depth	Unit Height	UPC Code	Pallet Qty
ESS123	5 oz	6	0.47	0.22	2.54"	2.54"	3.90"	0 30192 11123 9	1200



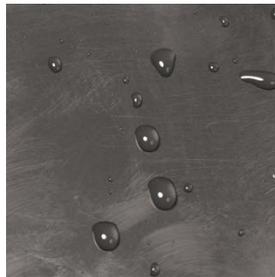


BULLDOG® Adhesion Promoter System

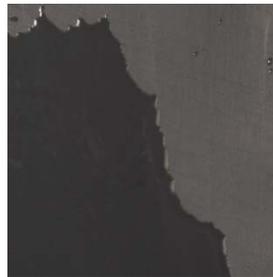
EPC535/PPC535 DIRECTIONS FOR USE:

Carefully read the entire product label and all precautions on the SDS before use. Proper preparation is critical to the success of all repairs. Follow these steps to achieve maximum performance.

1. Apply product using a wet gray scuff pad. Scuff entire surface. Re-apply to scuff pad as needed to maintain a wet, soapy surface. While scuffing, be mindful to treat recessed areas and corners.
2. Rinse off thoroughly with clean water ensuring the surface is free of any loose particles.
3. To ensure part is ready for adhesion promoter application, mist a small area with water. If sheeting occurs, dry the surface and proceed. If water beads up, repeat cleaning as directed above.
4. Dry surface with cloth or forced air. Immediately before painting, wipe surface thoroughly with a clean tack cloth.



Beading



Sheeting

TECHNICAL DATA:	PPC535/EPC535
Appearance	Opaque gray
Percent Volatile	61% by weight
Flash Point	None
CPSC Flammability Classification	Non-Flammable, Waterbased
VOC Category (Max Allowable VOC)	General Purpose Degreaser (0.5%)
Actual VOC	0.0% by weight
Storage	Protect from freezing. Store between 32°F and 120°F, in the original container.
Density	9.8 lbs/gal
Shelf Life	2 years from date of manufacture, in an unopened container
DOT	Not Regulated

Product	Size	Pack	Lbs	Case Cube	Unit Width	Unit Depth	Unit Height	UPC Code	Pallet Qty
PPC535	16oz	12	13	0.47	3.4"	1.8"	8.3"	0 30192 12535 9	1368
EPC535	7.6 lb	4	34	1.14	7.6"	7.6"	7.6"	0 30192 01535 3	144

