

PROVEN PERFORMANCE
**Auto Body
Master**®



Technical Manual





AEROSOLS

Equipment & Implement Enamels	1	Flexible Primer	2
Engine Enamels	2	Black Trim Paint	2
Hi Temp Paint	2	Black Bumper Paint	2
Sandable Primers	2	Cut In Clear	2
Professional Series	2		
Self Etching Primer	2		

SPECIAL COATINGS & SEAM SEALERS

Rubberized Undercoating	3
Rocker Guard	3
Rocker Panel Protector	3
Seam & Joint Sealer	3
Urethane Sealer & Adhesive	3

MISCELLANEOUS

Double Sided Urethane Tape	4	Mixing Cups	5
Cut-Off Wheels	4	Clean Sheets	5
Jet Strip Paint Stripper	4	Paint Sticks	6
Razor Blades	4	Paint Strainers	6
Shop Wipes	4	Cream Hardener	6
Urethane Accelerator	4	Spreaders	6
Weather Strip Adhesive	4		
Ultimate Hand Cleaner	5		

MASKING & PREP PRODUCTS

Masking Paper	7	Floor Mats	8
Plastic Sheeting	7	Wheel Maskers	8
Hi Density Plastic Sheeting	8		
Seat Covers	8		

BODY FILLERS

Lightweight Body Filler	9	Fiberglass Resin	13
Premium Lightweight Body Filler	10	Fiberglass Cloth	14
Fiberglass Reinforced Body Filler	11	Fiberglass Mat	14
2K Glazing & Finishing Putty	12		

SOLVENTS, THINNERS & REDUCERS

Lacquer Thinner	15	Basecoat Reducers	16
Enamel Reducer	15	Wax & Grease Remover	17
Urethane Reducer	15	Anti Static Wax & Grease Remover	17
Spray Gun Cleaner	15	Adhesive Remover	17
VM&P Naphtha	15		

CATALYSTS

	18
Wet Look Enamel Hardener	18
Synthetic Enamel Hardener	18

PRIMER & SEALERS

Super Etch Precoat Primer	19	Urethane Primer	24
Etch Fill Self Etching Primer	20	Hi Prime Lacquer Primer	25
Epoxy Primer	21	Barrier Coat Waterborne Primer	26
Fast Prime	22	Acrylic Sealer	27
	23	ShadeSystem 2K Sealer	28

CLEAR COATS

Production Clear	29	Urethane Clear	32
Quick Spot Clear	30	Hi Solids	33
	31		

BUFFING & POLISHING PADS

Compounding Pads	35	Foam Buffing Pads	34
Polishing Pads	35	Vented Foam Pads	34
Double Sided Pads	35	Cool Curve Foam Pads	34
Tie On Bonnets	35	6" Foam Pads	34
		Mini 3" Pads	34

DETAIL ITEMS

	35
Wash Mitt	35
Scrub Sponge	35
Wax Applicator	35
Cheese Cloth	35
Chamois (synthetic)	35



Equipment & Implement Enamels

<u>GALLON</u>	<u>AEROSOL</u>	
6401G	6401	Black Gloss
6476G	6476	White Gloss
6406G	6406	Silver Aluminum
6499G	6499	New Caterpillar Yellow
6487G	6487	Old Caterpillar Yellow (light)
6431G	6431	Harvester Red
6461G	6461	John Deere Yellow
6443G	6443	John Deere Green
6435G	6435	Ford Blue
6409G	6409	Ford Gray
6455G	6455	Allis Chalmers Orange
6463G	6463	School Bus Yellow
6412G	6412	Low Gloss Black
6471G	6471	Massey Ferguson Red
6402G	6402	Red Primer
6400G	6400	Gray Primer



Substrates

- Fully cured finishes - Sand with 240 - 320 grit paper
- Steel - Sand with 80 - 180 grit & prime with Equipment & Implement Primer



Mixing

- Reduction is not required. If reduction is preferred, reduce with VM&P Naphtha (for spray applications) or Mineral Spirits (for brushing or rolling applications) at a 16:1 ratio.



Set Up Tech

Tip/Needle:	1.4mm to 1.6mm
Spot Air Pressure:	35 - 45 psi / HVLP 5 to 10 psi at cap
Overall Air Pressure:	45 - 55 psi / HVLP 5 to 10 psi at cap
Coverage	500 sq ft /gallon @ 1 mil



Application

Product can be rolled, brushed, airless or compressed air sprayed. Apply 2 - 3 coats until sufficient coverage or hiding is achieved. Allow each coat to become hand slick before additional coats are applied.



Drying

Dries to the touch in 4 to 6 hours.
Pot Life: Indefinite if sealed



Physical Data

VOC RTS	< 3.5 lb./gallon
Humidity Resistance	Very good
Salt Spray Test	Very good



Master Tips

Do not apply in direct, hot sunlight. Surface & air temperature should be between 40-90°F during application and dry time. Catalyzation is not recommended.



ALL PURPOSE ENAMELS

		<i>Net Weight</i>
AB600	Gloss Black	12 oz
AB605	Flat Black	12 oz
AB670	Gloss White	12 oz
AB642	Bright Red	12 oz
AB680	Chrome Aluminum	12 oz

ENGINE ENAMELS

AB613	Universal Black	11 oz
AB601	Ford Blue	11 oz
AB606	Ford Dark Blue	11 oz
AB607	Chevy Orange	11 oz
AB609	GM Blue	11 oz
AB625	Ford/Universal Red	11 oz

HI-TEMP PAINTS

AB602	Black	11 oz
AB604	White	11 oz

SANDABLE PRIMERS

AB694	Red Oxide	12 oz
AB699	Gray	12 oz
AB698	Black	12 oz

Professional Series

9988	Self Etching Primer	12 oz
9413	Flexible Primer	12 oz
9143	Satin Black Trim Paint	11 oz
9083	Flexible Bumper Black Gloss	12 oz
9103	Flexible Bumper Original Black	12 oz
9648	Cut-In Clear	11 oz





Rubberized Undercoating - Non-paintable

An asphaltic, non-paintable, rubber and wax coating which contains no asbestos fiber and is fast drying. Perfect for undercarriage protection, sound deadening, and wheel well coating. Helps prevent rust. Very flexible and will not crack or peel. Black color.

Part #	Description	Size
7668	Rubberized Undercoat	15.45 oz/439 gr



Rocker Panel Guard - Paintable

An economical gravel guard that offers a tough and flexible paintable coating. The coating's rubberized base remains pliable to absorb impacts and resists chipping. Use on rocker panels, gravel shields, inner panel sound deadening, trunk panels, chassis, wheel wells, etc. Seals out moisture to protect from the formation of rust and corrosion. Chip resistant and will not pinhole. Do not apply sealer over this product. Black color.

Part #	Description	Size
7658	Rocker Panel Guard - Black	14 oz/396 gr



Rocker Panel Protector - Paintable

A premium fast drying permanent textured coating designed for protecting rocker panels and valance panels from stone chips and other road abrasion and weathering. Perfect for rocker panels, gravel shields, fender wells, trunk panels, inner panel protection, etc. It's super strong adhesion and durability offers a coating that will not flake or chip off, remains flexible and will not crack. Do not apply sealer over this product. Available in 850 ml "schutz" style cans in black or beige.

Part #	Description	Size
7652	Rocker Panel Protector-Black	28.7 fl oz/850ml
7653	Rocker Panel Protector-Beige	28.7 fl oz/850ml



Seam & Joint Sealers

A very flexible seam sealer for all types of auto body sealing. Excellent tooling time after application without the use of solvent. Tooling with solvent will offer an extra slick appearance. Paintable in 30 to 60 minutes after application. Skin time is approximately 10 minutes. Sets to a firm abrasion resistant seal that's tough with excellent flexibility. No cracking or peeling. Great for use on cowl seams, floor seams, door skins, wheel house seams, trunk seams, etc.

Part #	Description	Size
7605	Seam & Joint Sealer-Beige	10 oz/300ml
7607	Seam & Joint Sealer-Black	10 oz/300ml
7612	Seam & Joint Sealer-Clear	10 oz/300ml



Urethane Sealant & Adhesive

A one component polyurethane adhesive & sealant for areas that are subjected to mechanical stress, shock, vibrations, and sudden impacts. The moisture cure, non sag system cures through atmospheric moisture to a rubber like adhesive and sealant. The flexibility of the product will not crack. Paintable in 30 minutes. Product also offers filing and patching properties that can be sanded. Excellent adhesion to aluminum bare metal primed and painted, FRP, SMC, and RIM. Excellent weather resistance. Great for bonding roof panels, floor panels, interior and exterior body side moulding and trim.

Part #	Description	Size
7627	Urethane Sealant Adhesive-Black	10.5 oz/310ml





Urethane Accelerator

Reduces dust/tack free and tape times. Autobody Master urethane accelerator can be added to urethane coatings such as primers, color coats, and clears when improved curing times are desired. Compatible with all major paint urethane systems. Very concentrated, recommended 1/2 ounce per sprayable quart. Great for cool shop conditions.

Part #	Description	Size
8220	Urethane Accelerator	Pint



Jet Strip Paint Stripper

Fast and efficient removal of the toughest automotive & industrial finishes. Fast acting and effective on conventional and two component primer and paint systems. Jet Strip can be used on metal or masonry. Loosened finish can be flushed off with water or solvent, or removed by scraping. Non-Flammable for your safety.

Part #	Description	Size
7713	Jet Strip Paint Stripper	Gallon



Weather Strip Adhesive

Bonds all types of rubber and vinyl to doors and trunks. Waterproof, flexible and dries fast. Color: Amber

Part #	Description	Size
7001	Weather Strip Adhesive	135 ml



Double Sided Tape

Premium double sided high density urethane foam tape coated with high temperature and UV resistance acrylic adhesive on both sides. This tape is excellent for bonding heavy moldings and trim with it's superior holding power.

Part #	Description	Size
AV7682D	Double Sided Urethane Tape	1/2" x 60'
AV7683D	Double Sided Urethane Tape	7/8" x 60'
7684	Double Sided Urethane Tape	1/2" x 15'
7685	Double Sided Urethane Tape	7/8" x 15'



Cut Off Wheels

Abrasive reinforced wheels. Cuts all ferrous materials with ease. Disks measure 3" x 1/16" x 3/8".

Part #	Description	Size
1150	Cut Off Wheels 50/box	3" x 1/16" x 3/8"



Razor Blades

Premium quality #9 Steel back razor blades. Packaged 100 per safety dispenser.

Part #	Description	Size
1100	#9 Razor Blades 100/box	#9



Shop Wipes

Barrel type roll 2 ply soft and absorbent towels. Over 1000' per roll. Shop Wipes come in an easy tote-a-long box so you can move the towels to the job. Absorbs twice as much solvent than a cotton shop rag. Roll can be removed from box and will fit most stationary dispensers.

Part #	Description	Size
1800	Shop Wipes	+1000/roll





Ultimate Hand Cleaner

Specially formulated hand cleaner that offers the ULTIMATE in cleaning and conditioning power. Easily removes and powers away urethane adhesives, sealers, and paints. Also loaded with skin conditioners that offers antibacterial properties to help heal injured hands and keep hands healthy.

<u>Part #</u>	<u>Description</u>	<u>Size</u>
602	Hand Cleaner	2oz
608	Hand Cleaner	8oz
616	Hand Cleaner	16oz
620	Hand Cleaner	Gallon



Mixing Cups

Economical disposable mixing cups featuring the most popular mixing ratios. Cup measures 32 fluid oz. of product and offers a convenient lid for temporary storage of product.

<u>Part #</u>	<u>Description</u>	<u>Size</u>	<u>Units/Case</u>
1010	Mixing Cups	32oz	100
1011	Lids	Fits 32oz	100

Clean Sheets

Non porous sheets for mixing body fillers and putties. Sheets will not absorb resins like cardboard. Disposable tear off sheets gives you a clean mixing surface every time.

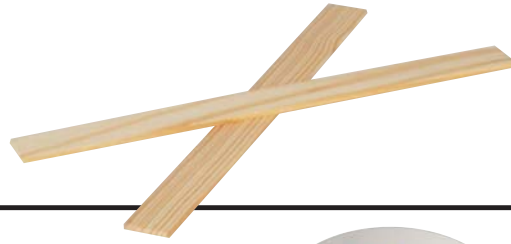
<u>Part #</u>	<u>Description</u>	<u>Size</u>
GS100ABM	Clean Sheets 100/mix pallet	12" x 12"





Paint Sticks

<u>Part #</u>	<u>Description</u>
520	Paint Sticks approx. 500/box



Paint Strainers

Medium nylon mesh

<u>Part #</u>	<u>Description</u>
1000	Paint Strainers 1000/box



Cream Hardeners

Individual cream hardeners for all body fillers

<u>Part #</u>	<u>Description</u>	<u>Size</u>
4314	White Cream Hardener	1 oz
4315	White Cream Hardener	2.75 oz
4319	Blue Cream Hardener	1 oz
4320	Blue Cream Hardener	2.75 oz
4324	Red Cream Hardener	1 oz
4325	Red Cream Hardener	2.75 oz



Spreaders

Individual spreaders.

<u>Part #</u>	<u>Description</u>	<u>Size</u>
1201	Blue Glazing Spreader	2"
1204	Yellow Spreader	4"
1205	Yellow Spreader	5"
1206	Yellow Spreader	6"
1209	Body Filler Knife	
1212	Body Filler Mixing Board	
1213	Black Squeegee/Spreader	3"
1215	Black Squeegee/Spreader	5"

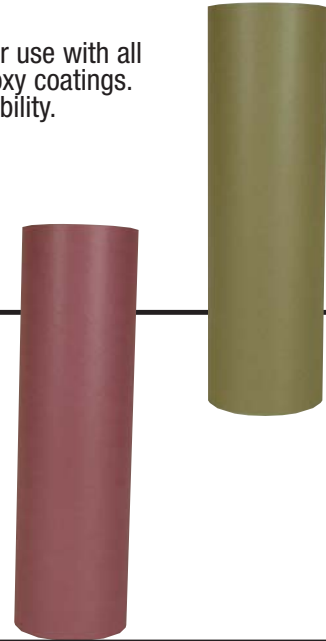




Green Machine Glazed Masking Paper:

Machined glazed for greater hold-out. Unique fiber design makes it ideal for use with all types of finishes, especially lacquers, enamels, urethane, polyester and epoxy coatings. Perfect for tough automotive, and industrial application. Excellent conformability.

<u>Part #</u>	<u>Description</u>	<u>Size</u>
12	12" Green	12"
18	18" Green	18"
36	36" Green	36"



Purple Machine Glazed Masking Paper:

Machined glazed for excellent hold-out. Unique fiber design makes it perfect for use of all automotive finishes where surface paint and solvent hold-out is needed. Excellent conformability.

<u>Part #</u>	<u>Description</u>	<u>Size</u>
112	12" Purple	12"
118	18" Purple	18"
136	36" Purple	36"

Plastic Sheeting:

Extremely low static. Good stretch and tear strength. Quickly mask off vehicles, cutting away repair area for the fastest masking job available. EZ Dispenser box keeps plastic clean and simple to dispense.



<u>Part #</u>	<u>Description</u>	<u>Size</u>
400	Economy Plastic	12' x 400'



Premium Plastic Sheeting:

High density plastic sheeting that offers high tear and puncture strength. Specially treated so paint clings to surface and doesn't flake off. EZ Dispenser keeps plastic clean and simple to dispense, even without a masking machine. **PAINTABLE!**



<u>Part #</u>	<u>Description</u>	<u>Size</u>
403	<i>Hi Density Plastic</i>	<i>12' x 400'</i>
403-16	<i>Extra Wide Hi Density Plastic</i>	<i>16' x 350'</i>

Seat Covers:

Plastic seat covers to protect customer's interior seats. Slip and grip plastic keeps seat cover in place. 125/box



<u>Part #</u>	<u>Description</u>	<u>Size</u>
407	<i>Slip & Grip Seat Covers</i>	<i>Fits Most</i>

Floor Mats:

Plastic floor mats to protect customer's interior floors. Slip and grip plastic keeps mats in place. 250/box.



<u>Part #</u>	<u>Description</u>	<u>Size</u>
409	<i>Slip & Grip Floor Mats</i>	<i>16"x21"</i>

Wheel Maskers:

Canvas wheel maskers for overspray protection of automotive tires. #2000 fits up to most 15" tires, #2017 fits larger SUV and Truck tires

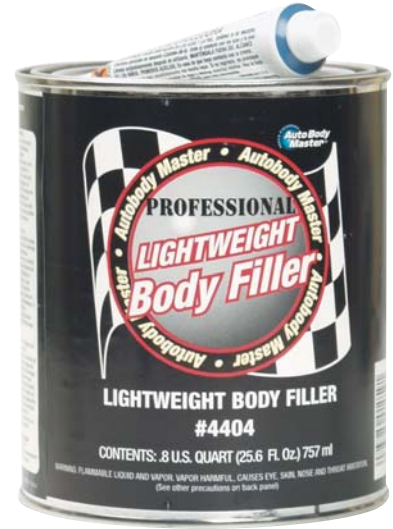


<u>Part #</u>	<u>Description</u>	<u>Size</u>
2000	<i>Blue Wheel Maskers</i>	<i>Up to 15"</i>
2017	<i>Blue Wheel Maskers</i>	<i>Up to 17"</i>



Lightweight Body Filler

An economical Lightweight Body Filler offering smooth and creamy texture that spreads easily for excellent feather edging. Adheres to galvanized, aluminum and bare steel. Sands easily and won't load up sand paper. Great for a general use body filler.



<u>Part #</u>	<u>Description</u>	<u>Size</u>
4401	Lightweight Body Filler	Gallon
4404	Lightweight Body Filler	Quart



Substrates & Prep

Clean surface removing dirt, wax, grease & oil. Grind away any corrosion or rust using 36 or 40 grit grinding disc. Rough sand substrate no finer than 80 grit paper.



Mixing

50 Parts Lightweight Body Filler
1 Part RED OR BLUE Cream Hardener

As a general rule, scoop appropriate amount of body filler for a single application on a non porous surface. Drawing a straight line across the widest points of body filler "puddle" will provide the 50:1 mix ratio needed for proper catalyzation. Do not whip air into mixture, stir in circular motion.



Application

Apply thin layer using firm pressure to ensure proper adhesion. Apply additional layers building slightly higher and larger to allow for sanding. Repeat process as necessary.



Drying

Gel Time Approximately 4 to 7 minutes
Sand Time Approximately 15 minutes
Recoat Allow 1 hour cure time before coating with primer or sealer.



Master Tips

Do not return unused catalyzed portion to filler can. Allow for extended flash off time if wax & grease remover used on filler.



Premium Lightweight Body Filler

Truly a premium body filler that's tack free, self etching, and stain resistant. Formulated with finest resins available to offer superior spreading and sanding properties. Self etching body filler adheres to steel, aluminum, zinc, and galvanized metals.

<u>Part #</u>	<u>Description</u>	<u>Size</u>
4450	Premium Body Filler	Gallon



Substrates & Prep

Clean surface removing dirt, wax, grease & oil. Grind away any corrosion or rust using 36 or 40 grit grinding disc. Rough sand substrate no finer than 80 grit paper.



Mixing

50 Parts Body Filler
1 Part BLUE Cream Hardener

As a general rule, scoop appropriate amount of body filler for a single application on a non porous surface. Drawing a straight line across the widest points of body filler "puddle" will provide the 50:1 mix ratio needed for proper catalyzation. Do not whip air into mixture, stir in circular motion.



Application

Apply thin layer using firm pressure to ensure proper adhesion. Apply additional layers building slightly higher and larger to allow for sanding. Repeat process as necessary.



Drying

Gel Time Approximately 4 to 7 minutes
Sand Time Approximately 15 minutes
Recoat Allow 1 hour cure time before coating with primer or sealer.



Master Tips

Do not return unused catalyzed portion to filler can. Allow for extended flash off time if wax & grease remover used on filler.



Fiberglass Reinforced Body Filler

High strength body filler that offers superior adhesion to steel, zinc, and galvanized metals. Corrosion resistant, waterproof, and rust proof. Strength comes from short strands of fiberglass fibers. A final coat of glazing or finishing putty is recommended.

<u>Part #</u>	<u>Description</u>	<u>Size</u>
4600	Fiberglass Body Filler	Gallon



Substrates & Prep

Clean surface removing dirt, wax, grease & oil.
Grind away any corrosion or rust using 36 or 40 grit grinding disc.
Rough sand substrate no finer than 80 grit paper.



Mixing

50:1 50 Parts Body Filler
1 Part BLUE Cream Hardener
As a general rule, scoop appropriate amount of body filler for a single application on a non porous surface. Drawing a straight line across the widest points of body filler “puddle” will provide the 50:1 mix ratio needed for proper catalyzation.
Do not whip air into mixture, stir in circular motion.



Application

Apply thin layer using firm pressure to ensure proper adhesion. Apply additional layers building slightly higher and larger to allow for sanding.
Repeat process as necessary.



Drying

Gel Time Approximately 4 to 7 minutes
Sand Time Approximately 15 minutes
Recoat Allow 1 hour cure time before coating with primer or sealer.



Master Tips

Do not return unused catalyzed portion to filler can. Allow for extended flash off time if wax & grease remover used on filler.



2K Glazing Putty

A two part glazing and finishing putty offering super smooth texture, fast dry, and no shrinkage. Excellent adhesion properties allows you to apply directly to metal, body filler, fiberglass and cured topcoats to fill minor imperfection.



<u>Part #</u>	<u>Description</u>	<u>Size</u>
4724	2K Glazing Putty	24 oz Tube



Substrates & Prep

Clean surface removing dirt, wax, grease & oil.
Grind away any corrosion or rust using 36 or 40 grit grinding disc.
Rough sand substrate no finer than 80 grit paper.



Mixing

50 Parts Glazing Putty
1 Part BLUE Cream Hardener
As a general rule, scoop appropriate amount of body filler for a single application on a non porous surface. Drawing a straight line across the widest points of body filler "puddle" will provide the 50:1 mix ratio needed for proper catalyzation.
Do not whip air into mixture, stir in circular motion.



Application

Apply thin layer using firm pressure to ensure proper adhesion. Apply additional layers building slightly higher and larger to allow for sanding.
Repeat process as necessary.



Drying

Gel Time Approximately 2 to 3 minutes
Sand Time Approximately 15 minutes
Recoat Allow 1 hour cure time before coating with primer or sealer.



Master Tips

Do not return unused catalyzed portion to filler can. Allow for extended flash off time if wax & grease remover used on filler.



Fiberglass Resin

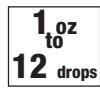
Autobody Master Fiberglass Resin offers finishing grade resin unlike many other brands that offer laminating grades. Used in conjunction with fiberglass cloth, mat, and tape. Fiberglass Resin offers excellent rebuilding properties to torn or rotted fiberglass & metal.

Part #	Description	Size
4100	Fiberglass Resin	Gallon
4104	Fiberglass Resin	Quart



Substrates & Prep

Metal, fiberglass, & wood
Surface must be clean and dry. Strip any existing paint or varnish. Rough sand or sand blast metal surfaces.



Mixing

1 ounce of fiberglass resin
12 drops of liquid hardener



Application

Fiberglass and metal - Apply tack coat to substrate. When coat becomes tacky, apply fiberglass fabric, starting at one end and unrolling fabric working out bubbles and wrinkles. Apply catalyzed resin using a brush, roller, squeegee or spreader. Completely saturate fabric and work out any bubbles or wrinkles. If additional layers are needed, apply fabric before previous layer has cured to avoid sanding between layers.

Soft Woods - If resin soaks in, continue to apply layers until a tacky coat can be achieved, then apply cloth or mat.



Drying

Gel Time 10-15 minutes
Sand Time 30 minutes



Master Tips

Do not apply in direct sunlight. Sunlight can breakdown resin properties during application and cause improper cure and adhesion. In warmer temperatures, 90°F and above, use 50% less hardener to allow for longer working time. In colder temperatures, 65°F and below, use up to 100% more hardener. Do not apply at temperatures below 60 degrees. Always begin and end project with a wet coat of resin.



FIBERGLASS CLOTH & MAT

- **CLOTH:** Interwoven cloth material that offers high patching strength to repairs of fiberglass, metal, and plastic. Must be used with fiberglass, polyester, or epoxy resins. Wets fast, lays down smooth and easily drapes to conform to contours and shapes. Excellent high strength backing patch over holes, punctures, and breaks.

- **MAT:** Fiberglass mat material reinforced with long, fiberglass strands. Used to reinforce fiberglass, polyester, and epoxy resins where bulk and waterproofing is required. Use for the repair of holes and badly damaged areas in fiberglass, metals, and plastics. Easy to handle on flat or curved surfaces. May be used with or tape to build layers of laminate



Fiberglass Cloth

<u>Part #</u>	<u>Description</u>	<u>Size</u>
4110	Fiberglass Cloth	1yd x 38"
4111	Fiberglass Cloth	3yd x 38"

Fiberglass Mat

<u>Part #</u>	<u>Description</u>	<u>Size</u>
4115	Fiberglass Mat	1yd x 38"
4116	Fiberglass Mat	3yd x 38"

Substrates & Prep



Surface must be dry, clean, and free from paint, varnish, dirt and other foreign mater. Rough sand or sand blast to ensure proper adhesion.

Application



First apply wet coat of catalyzed resin with roller or brush. When resin becomes tacky, apply fiberglass cloth. Working from one end, unroll fabric, stretching and working out air bubbles. Once cloth is applied roll out remaining bubbles with resin roller. Apply second coat of resin with roller or brush Apply second layer of fabric to build up surface. If resin cures between layers, surface must be sanded for proper adhesion between coats.

Master Tips



Do not apply in direct sunlight. Sunlight can breakdown resin properties during application and cause improper cure and adhesion. Do not apply at temperatures below 60 degrees. Always begin and end project with a wet coat of resin.



Lacquer Thinner - General Purpose Grade

Formulated from high quality solvents to offer a high solvency general purpose lacquer thinner.

Part #	Description	Sizes
5700-	General Purpose Lacquer Thinner	1,5,16 & 55



Lacquer Thinner - Color Grade

Special blend of high quality solvents for thinning lacquer color coats or lacquer primer surfacers.

Part #	Description	Sizes
5770-	Fast Color Grade Lac. Thinner	1,5,16 & 55
5780-	Medium Color Grade Lac. Thinner	
5790-	Slow Color Grade Lac. Thinner	



Enamel Reducer

Excellent for acrylic enamel paints & primers. Compatible with all major paint manufacturers.

Part #	Description	Sizes
5855-	Fast Enamel Reducer	1,5, & 55
5875-	Medium Enamel Reducer	
5890-	Slow Enamel Reducer	



Premium Urethane Reducer

Premium urethane grade solvents for reducing urethane, epoxy, primers and clear coats.

Part #	Description	Sizes
8860	Fast Urethane Reducer	1 Gallon
8870	Medium Urethane Reducer	
8885	Slow Urethane Reducer	



Paint Prep

Solvent based. Excellent cleaner prior to priming, painting, pin stripping, or attaching graphics and emblems. Removes wax, oil, grease, and other surface contaminates.

Part #	Description	Size
5900-1	Wax & Grease Remover	1 & 5 Gallon



Anti Static Wax & Grease Remover

Water based. Removes wax, oil, grease, and other surface contaminates. Also works great as a gun cleaner for water based products. Excellent final cleaner prior to paint application.

Part #	Description	Size
5910	Wax & Grease Remover	Gallon



Spray Gun Cleaning Solvent

Formulated for fast and efficient cleaning of spray guns. Removes old hard dry finishes and can be used over and over many times.

Part #	Description	Size
5914-1	Spray Gun Cleaning Solvent	Gallon
5914-5	Spray Gun Cleaning Solvent	5-Gallon



VM&P Naphtha

Fast evaporating solvent primarily used to thin exterior and interior oil paints, varnishes and synthetic enamels for spray application.

Part #	Description	Size
5960-1	VM&P Naphtha	Gallon
5960-4	VM&P Naphtha	Quart





Basecoat Reducers P, D, S

Specialized solvent formulations of basecoat reducers to be used as excellent alternative basecoat reducers to the three most popular basecoat / clearcoat systems on the market.

Basecoat Reducer P is formulated to be used as an alternative reactive reducer utilized in PPG's DBU Basecoats. **Basecoat Reducer D** is formulated to be used as an alternative basecoat reducer utilized in DuPont's Chromabase Basecoats. **Basecoat Reducer S** is formulated to be used as an alternative basecoat stabilizer utilized in Sherwin Williams' Ultra 7000 Basecoats.

Part #	Description	Size
5510	Basecoat Reducer P - Fast	Gallon
5511	Basecoat Reducer P - Medium	Gallon
5513	Basecoat Reducer P - Fast	Quart
5514	Basecoat Reducer P - Medium	Quart
5530	Basecoat Reducer D - Fast	Gallon
5531	Basecoat Reducer D - Medium	Gallon
5533	Basecoat Reducer D - Fast	Quart
5534	Basecoat Reducer D - Medium	Quart
5540	Basecoat Reducer S - Spot	Gallon
5541	Basecoat Reducer S - Overall	Gallon
5542	Basecoat Reducer S - Spot	Quart
5543	Basecoat Reducer S - Overall	Quart



Mixing - SHAKE WELL BEFORE USE!

Basecoat Reducer P:
1 part DBU Color, 1 1/2 to 2 parts Basecoat Reducer P - BCP

Basecoat Reducer D:
1 Part DuPont Chromabase, 1 Part Basecoat Reducer D - BCD

Basecoat Reducer S:
1 part SW Ultra 7000, 1 Part Basecoat Reducer S - BCS



Drying

	P	D	S
Gel	4 hours	N/A	N/A
Flash	10 to 15 Min.	5-10 Min.	Hand Slick
Recoat	30-60 Min.	15-30 Min.	20-40 Min.

Clear Window

P: If Basecoat dries more than 24 hours, scuff sand and reapply color.
D: If Basecoat dries more than 24 hours, scuff sand and reapply color.
S: If Basecoat dries more than 7 days, basecoat must be REMOVED.



Master Tips

SHAKE WELL BEFORE USE! Do not use Basecoat Reducers to clean equipment or melt in overspray. Reducer P must be used within 5 days after opened. All basecoat reducers should be tightly sealed during storage.

VOC RTS

P:<6.6 D<6.4 S<6.6



Paint Prep

Solvent based. Excellent cleaner prior to priming, painting, pin stripping, or attaching graphics and emblems. Removes wax, oil, grease, and other surface contaminants.

<u>Part #</u>	<u>Description</u>	<u>Size</u>
5900-1	Wax & Grease Remover	Gallon
5900-5	Wax & Grease Remover	5 Gallon

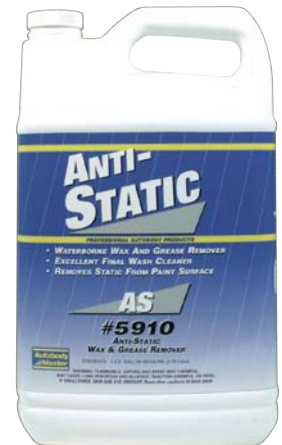


Generously apply wax and grease remover to substrate either with a cloth soaked in wax and grease remover or by spray applicator. Wipe surface with a clean dry cloth before the wax and grease remover has flashed off the substrate.

Anti Static Wax & Grease Remover

Water based. Use on plastics to avoid flash fire from static spark. Removes static from pre-paint surface thus reducing dirt, dust and lint. Excellent final cleaner and wipe down solution prior to priming, painting or pin stripping. Removes wax, oil, grease, and other surface contaminants. Also works great as a gun cleaner for water based products.

<u>Part #</u>	<u>Description</u>	<u>Size</u>
5910	Wax & Grease Remover	Gallon



Generously apply wax and grease remover to substrate either with a cloth soaked in wax and grease remover or by spray applicator. Wipe surface with a clean wet cloth before the wax and grease remover has flashed off the substrate. Finish drying surface with clean dry cloth. Try to avoid excessive wiping.



Master Tip

Use Anti Static Wax & Grease Remover when degreasing on or around body fillers or putties. Because fillers and putties can "hold" solvents when wiped with solvent based degreasers, a "ring" can appear if all of the solvent had not released prior to topcoating. Anti Static is water-based and will not cause the "ring" caused by trapped solvent when using a solvent based degreaser around fillers or putties.

General Purpose Adhesive Remover

Removes adhesives, silicone, wax, grease, oil, tar, rubber cement and other contaminants from a variety of surfaces. Leaves no oily film and dries fast. Nozzle top included for easy dispensing

<u>Part #</u>	<u>Description</u>	<u>Size</u>
5984	General Purpose Adhesive Remover	1 Quart





Wet Look

High solids catalyst to enhance acrylic enamel gloss and durability. Wet Look offers a super high gloss finish that's more durable and chemical resistant than conventional enamel finishes. Add to conventional acrylic enamel paints for higher gloss and increased durability.



Part #	Description	Size
8105	Acrylic Enamel Hardener	1/4 Pint
8108	Acrylic Enamel Hardener	Pint



Substrates & Prep

Surface must be primed and or sealed and ready for paint. Always clean surface with wax & grease remover prior to painting.



Mixing

Typically 8:4:1 (8 Parts Acrylic Enamel Color : 4 Part Enamel Reducer : 1 Part Wet Look Hardener)
Note: Follow paint manufacturers reduction ratio. Some paints come partially reduced from manufacturer.



Drying

Flash Time 10-15 minutes
Dust Free 10 minutes
Tack Free 1 hour
Sand/Recoat Overnight to 48 hours
Pot Life Typically 4 - 6 hours



Master Tips

Due to large variance in reducer temperature ranges, above figures are typical of performance when proper temperature reducer is used. Always add catalyst slowly to reduced paint. Adding catalyst to quickly or to unreduced paint can cause the paint to shock.

Synthetic

High solids catalyst to enhance synthetic enamel gloss and durability. Produces a finish that's more durable and chemical resistant than conventional synthetic enamel finishes.



Part #	Description	Size
8132	Synthetic Hardener	Pint



Substrates & Prep

Surface must be primed and or sealed and ready for paint. Always clean surface with wax & grease remover prior to painting.



Mixing

Typically 8:4:1 (8 Parts Synthetic Enamel Color : 4 Part Synthetic Reducer : 1 Synthetic Hardener)
Note: Follow paint manufacturers reduction ratio. Some paints come partially reduced from manufacturer.



Drying

Flash Time 10-15 minutes
Dust Free 10 minutes
Tack Free 1 hour
Sand/Recoat Overnight to 48 hours
Pot Life Typically 4 - 6 hours



Master Tips

Due to large variance in reducer temperature ranges, above figures are typical of performance when proper temperature reducer is used. Always add catalyst slowly to reduced paint. Adding catalyst to quickly or to unreduced paint can cause the paint to shock.



Super Etch

Super Etch is a precoat primer that offers the ultimate in adhesion to bare steel, aluminum, galvanized and zinc coated substrates. Formulated to be used as a pretreatment coating, Super Etch bites into the substrate and promotes the adhesion of additional primers and sealers. Color: Transparent Olive Green. Mix Ratio 1:1



Etch Fill

Etch Fill provides the convenience of a self etching corrosion resistant precoat primer with moderate filling properties. Etch Fill offers excellent adhesion to bare steel, aluminum, galvanized and zinc coated substrates. Etch Fill etches into the substrate and fills minor imperfections. Etch Fill can be topcoated with additional primers, sealers or topcoat directly with color. Color: Mauve/Rose. Mix Ratio 1:1



Epoxy Primer

Epoxy Primer offers good corrosion resistance, excellent adhesion, and excellent color hold-out. Epoxy Primer can also be used as a sealer when reduced with a urethane grade reducer. Lead, chromate and isocyanate free. Color: Green/Gray, Black and White. Mix Ratio 4:1



Fast Prime

Fast Prime is an extremely versatile, high build primer surfacer that's ready to sand in 45 minutes. Fast Prime offers excellent corrosion resistance and adhesion to bare metal. Use Fast Prime as the primer of choice when you're looking for a production oriented primer surfacer. Color: Gray. Mix Ratio 4:1



Urethane Primer

Urethane Primer is formulated to offer a premium quality, acrylic urethane coating with excellent filling and building properties. Urethane Primer is the ideal primer for urethane base/clear topcoats with excellent color holdout. Flexible, fast dry, no shrinkage, and very resistant to sand scratch swelling. Color: Buff or Gray. Mix Ratio 4:1.



Barrier Coat

Barrier Coat is a ready to spray, high solids, waterborne primer surfacer offering a protective coating on sensitive or troublesome substrates. Barrier Coat offers incredibly smooth sanding with excellent filling properties. Barrier Coat is compatible with solvent and water based primers, sealers, and topcoats. Color: Gray. Ready to spray.



Hi Prime

Hi Prime is an acrylic lacquer primer surfacer offering high solids, quick filling, quick build, easy sanding and excellent adhesion. Excellent everyday primer with minimal film shrinkage. Color Red Oxide, Gray and Hot Rod Black. Mix Ratio 2:3.



SEALERS Acrylic Sealer

Ready to spray acrylic sealer for faster topcoat coverage and better color holdout. This sealer is fast drying, easy flowing and provides a uniform color that's satin smooth. Gray



ShadeSystem 2K Sealer

ShadeSystem 2K Sealer is a super productive primer sealer that offers a variable gray shade intermix system, excellent flow and leveling, excellent color holdout and medium build to fill many small surface imperfections. ShadeSystem 2K Sealer can be topcoated 15-30 minutes after application, nib sanded after 20-30 minutes if needed.



Super Etch

Super Etch is designed to be used as a pre-treatment coating that etches into the repair substrate and offers a base that promotes the adhesion of additional primers or sealers. Applied to properly prepared steel, aluminum, galvanized & zinc coatings, Super Etch will provide outstanding corrosion resistance and promote adhesion. Pre-treating with Super Etch is especially beneficial when using waterborne primers over aluminum and steel substrates. Product color: Transparent Olive Green



Part #	Description	Size
8462	Super Etch Primer	Quart
8162	Super Etch Catalyst	Quart



Substrates

- Steel, Galvanized & Aluminum - Sand with 80 - 180 grit paper
- Always clean surface prior to application with 5900 or 5910 wax & grease remover.



Mixing

- 1 Part Super Etch Pre-Treatment Coating
- 1 Part Super Etch Catalyst
- Induction Period - 5 minutes stirred



Set Up Tech Info

Tip/Needle:	1.3mm to 1.5mm
Spot Air Pressure:	35 - 45 psi / HVLP 5 to 10 psi at cap
Overall Air Pressure:	45 - 55 psi / HVLP 5 to 10 psi at cap
Viscosity (#2 Zahn)	16 - 18 seconds
Film Build:	0.3 - 0.4 mils DFT
Coverage:	83 sq. ft. @ 1 mil



Application

- Apply 1 medium wet coat to provide excellent adhesion promotion and corrosion resistance. Product is not designed to fill sand scratches or minor imperfections.



Drying

Sand Time	Sanding is not recommended
Recoat	30 minutes cure time before recoating with additional primers or sealers. Recoat within 4 hours, beyond 4 hours, lightly scuff and reapply 1 coat of Super Etch.
Pot Life	24 hours - product should be stored in plastic container



Physical Data

Volume Solids RTS:	5.2%
VOC RTS:	6.2 lb./gallon
Humidity Resistance:	Excellent
Salt Spray Test:	Excellent



Master Tips

Primer or sealer must be applied before color coat. Do not directly top coat with color. Application should be a single wet coat, do not use as a filling primer. If not recoated with primer or sealer within 4 hours, lightly scuff and reapply 1 coat of Super Etch before applying additional primers or sealers. Do not apply over lacquer products.



Etch Fill

Etch Fill provides the convenience of a self etching corrosion resistant precoat primer with moderate filling properties. Etch Fill offers excellent adhesion to bare steel, aluminum, galvanized, & zinc coated substrates. Etch Fill etches into the substrate and fills minor imperfections. Etch Fill can be topcoated with additional primers, sealers or topcoat directly with color. Product color: Mauve/Rose

Part #	Description	Size
8466	Etch Fill Primer	Gallon
8467	Etch Fill Primer	Quart
8166	Etch Fill Catalyst	Gallon
8167	Etch Fill Catalyst	Quart



Substrates

- Fully cured finishes - Sand with 240 - 320 grit paper
- Steel, Galvanized & Aluminum - Sand with 80 - 180 grit paper
- Always clean surface prior to application with 5900 or 5910 wax & grease remover.



Mixing

- 1 Part Etch Fill Primer
- 1 Part Etch Fill Catalyst



Set Up Tech Info

- Tip/Needle: 1.3mm to 1.5mm
- Spot Air Pressure: Conventional 35 - 45 psi / HVLP 5 to 10 psi at cap
- Overall Air Pressure: Conventional 45 - 55 psi / HVLP 5 to 10 psi at cap
- Viscosity (#2 Zahn) 18-20 seconds
- Film Build: 2-3 mils DFT
- Coverage: 205 sq. ft. @ 1 mil



Application

- Apply 1 to 2 full wet coats to provide excellent adhesion, corrosion resistance, and fill minor imperfections. Allow 5 to 10 minutes between coats.



Drying

- Sand Time Sanding not recommended
- Recoat 30 minutes cure time before recoating with primer or sealer, recoat within 24 hours
- Topcoat 1-2 hours minimum, sealing is recommended. See Master Tips.
- Pot Life 24 hours - Product should be stored in plastic container



Physical Data

- Volume Solids RTS: 12.8%
- VOC RTS: 5.3 lb./gallon
- Humidity Resistance: Excellent
- Salt Spray Test: Excellent



Master Tips

Heavier coats should be allowed additional cure time before the application of additional primers, sealers or topcoats. As a general rule, allow 1 hour per wet coat before topcoating direct with color. Sealing is recommended because if not fully cured, Etch Fill can "yellow" topcoat color. If allowed to cure longer than 24 hours, scuff sand before recoating or topcoating. Do not tint.



Epoxy Primer

An outstanding quality, two component, isocyanate, lead, and chromate free epoxy primer or sealer with good corrosion resistance. The primer offers excellent adhesion to prepared metal, fiberglass and aluminum surfaces.

Part #	Description	Size
8411	Epoxy Primer Green/Gray	Gallon
8412	Epoxy Primer Green/Gray	Quart
8413	Epoxy Primer Black	Gallon
8414	Epoxy Primer Black	Quart
8415	Epoxy Primer White	Gallon
8416	Epoxy Primer White	Quart
8121	Epoxy Catalyst	Quart
8122	Epoxy Catalyst	Half Pint



Substrates

- Fully Cured Finishes - Sand with 240-320 grit paper
- Steel, Galvanized & Aluminum - Sand with 80-180 grit paper
- Fiberglass and SMC - Sand with 150-240 grit paper
- Always clean surface prior to application with 5900 or 5910 wax & grease remover.



Mixing

VOC Compliant Primer	Conventional Primer	Conventional Sealer
4 parts Epoxy Primer	4 Primer	4 Primer
1 part Epoxy Catalyst	1 Catalyst	1 Catalyst
Up to 1/2 Part Urethane Reducer	3 Urethane Reducer	4 Urethane Reducer
5 Min. Mechanical Induction	5 Min. Mechanical Induction	5 Min. Mechanical Induction



Set Up Tech Info

Tip/Needle:	1.5mm to 1.8mm		
Spot Air Pressure	35 - 45 psi / HVLP 5 to 10 psi at cap		
Overall Air Pressure:	45 - 55 psi / HVLP 5 to 10 psi at cap		
Viscosity (#2 Zahn)	VOC Primer 20-25 Sec	Conv. Primer 19-22 Sec	Conv. Sealer 16-18 Sec
Film Build	1.0-1.2 mils DTF	.8-1.0 mils DTF	.5 mils DTF
Coverage (@ 1mil)	481 Sq. Ft.	336 Sq. Ft.	288 Sq. Ft.



Application

VOC Compliant Primer	Conventional Primer	Conventional Sealer
1 full wet coat	1-2 full wet coats w/10-15 min. flash	1 wet coat



Drying

	VOC Primer	Conv. Primer	Conv. Sealer
Sand Time	Not recommended	60 minutes	Not recommended
Recoat	60 minutes	60 minutes	30 minutes
Topcoat	60 minutes	60 minutes	30 minutes
Pot Life	8 hours	8 hours	8 hours



Physical Data

Volume Solids RTS	30%	21%	18%
VOC RTS	4.8 lb/gal.	5.5 lb/gal.	5.7 lb/gal.
Humidity Resistance	Excellent	Excellent	Excellent
Salt Spray Resistance	Excellent	Excellent	Excellent



Master Tips

Do not use over lacquer products. Recoat within 72 hours. Greater than 72 hours, scuff sand before top coat. In temperatures over 77°F recoat within 36 hours.



Fast Prime

Fast Prime is an extremely versatile, high build primer surfacer that's ready to sand in 45 minutes. Fast Prime offers excellent corrosion resistance and adhesion to bare metal. Use Fast Prime as the primer of choice when you're looking for a production oriented primer surfacer. Color: GRAY



Part #	Description	Size
8474	Fast Prime Primer Surfacer	Gallon
8475	Fast Prime Primer Surfacer	Quart
8174	Fast Prime Activator	Quart
8175	Fast Prime Activator	1/2 Pint



Substrates

- Fully cured finishes - Sand with 240 - 320 grit paper
- Steel, Galvanized & Aluminum - Sand with 120-220 grit paper
- Always clean surface prior to application with 5900 or 5910 wax & grease remover.



Mixing

4 Parts FAST PRIME Primer Surfacer
1 Part FAST PRIME Activator



Set Up Tech Info

Tip/Needle: 1.3mm to 1.5mm
 Spot Air Pressure: Conventional 35 - 45 psi / HVLP 5 to 10 psi at cap
 Overall Air Pressure: Conventional 45 - 55 psi / HVLP 5 to 10 psi at cap
 Viscosity (#2 Zahn) 23-24 seconds
 Film Build: 1.3-1.5 mils per full wet coat
 Coverage: 545 sq. ft. @ 1 mil



Application

Apply 2 to 3 full wet coats to provide excellent adhesion, corrosion resistance, and fill imperfections. Allow 5 to 10 minutes between coats.



Drying

Sand Time 45 minutes. Final block with 600 grit or finer.
 Recoat 45 minutes cure time before recoating with primer or sealer.
 Topcoat 45 minutes cure time before topcoating with color.
 Pot Life 2-4 hours



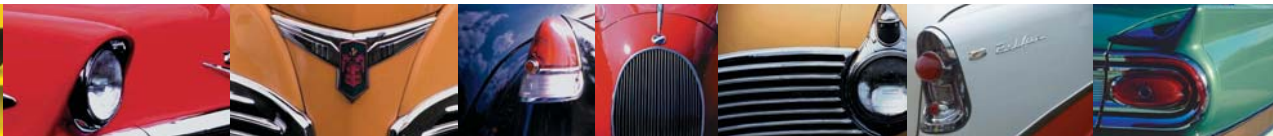
Physical Data

Weight Solids RTS: 53.3%
 VOC RTS: 4.8 lb./gallon
 Humidity Resistance: Excellent
 Salt Spray Test: Excellent



Master Tips

Heavier coats should be allowed additional cure time before sanding or the application of additional primers, sealers or topcoats. In high heat conditions (above 85°F), it is recommended that you drop your air pressure to 20-25 lbs to help slow the curing process. Large panels of bare metal should be precoated with a self etching primer for maximum adhesion and corrosion protection. Do not accelerate or add fish eye eliminator.



Urethane Primer Surfacer

A premium acrylic urethane primer surfacer designed as a high build easy sanding primer surfacer that resists sand scratch swelling and shrinkage. 2K Urethane Primer has excellent adhesion and flex properties. The resins utilized in this formula offer excellent color holdout and are ideal for urethane top coats and base coat clear coat systems.



Part #	Description	Size
8441	Urethane Primer- Buff	Gallon
8442	Urethane Primer- Buff	Quart
8443	Urethane Primer- Gray	Gallon
8444	Urethane Primer- Gray	Quart
8141	Urethane Primer Standard Catalyst	Quart
8142	Urethane Primer Standard Catalyst	1/2 Pint
8143	Urethane Primer FAST Catalyst	Quart



Substrates

- Fully cured finishes - Sand with 240 - 320 grit paper
- Steel, Galvanized & Aluminum - Sand with 80 - 180 grit paper
- Fiberglass & SMC - Sand with 150 - 240 grit paper
- Always clean surface prior to application with 5900 or 5910 wax & grease remover.



Mixing

Full Body Primer

4 parts Urethane Primer
1 part Urethane Catalyst

Medium Build Primer

4 Primer
1 Catalyst
1/2 Urethane Reducer

Sealer

4 Primer
1 Catalyst
2 Urethane Reducer



Set up Tech Info

Tip/Needle: 1.5mm to 1.8mm
 Spot Air Pressure: 35 - 45 psi / HVLP 5 to 10 psi at cap
 Overall Air Pressure: 45 - 55 psi / HVLP 5 to 10 psi at cap

Viscosity (#2 Zahn)	20-25 sec.	16-18 sec.
Film Build:	2.5 - 4.5 mils	0.8 -1.2 mils
Coverage:	555 @ 1 mil	308 @ 1 mil



Application

Apply 2 to 3 medium wet coats to fill sand scratches, minor imperfections, and build low areas. Allow 10-15 minutes between coats. As a sealer apply 1 full wet coat.



Drying

Sand Standard Catalyst 2-4 hours Fast Catalyst 1 -2 hours
 Recoat Cure 3 hours before recoating with additional primers, sealers or color topcoat.
 Recoat within 12 hours.
 Pot Life 3 - 4 hours



Physical Data

Volume Solids RTS 34.6% @ 4:1 19.21% @ 4:1:2
 VOC RTS: 4.8 lb./g as primer 5.8 lb./g as sealer
 Humidity Resistance: Excellent
 Salt Spray Test: Excellent
 Lead & Chromate Levels Lead & Chromate Free



Master Tips

If shop or substrate temperature is below 60°F, urethane accelerator recommended. Curing process of isocyanate products are severely inhibited below 60°F. Primer should be recoated or topcoated within 12 hours. If not topcoated within 12 hours, sand with 500 grit paper before recoating with primer, sealer, or color topcoat. Retarders - Recommended only in severe heat and humidity. Flex Agent - Recommended when repairing flexible substrates OFF the vehicle.



Hi Prime

Hi Prime is a high solids acrylic lacquer primer surfacer formulated for quick filling, easy sanding, and excellent adhesion properties. Its quick filling properties easily fills up to 80 grit sand scratches. An economical and production shop oriented primer that provides an excellent base and promotes topcoat adhesion. VOC compliant when used with color grade lacquer thinner.

Part #	Description	Size
8400	Hi Prime - Gray	Gallon
8401	Hi Prime - Gray	Quart
8402	Hi Prime - Red Oxide	Gallon
8403	Hi Prime - Red Oxide	Quart
8404	Hi Prime - Hot Rod Black	Gallon

**NEW &
IMPROVED!**



**BETTER
SANDING!**



Substrates

- Fully cured finishes - Sand with 240 - 320 grit paper
- Steel, Galvanized & Aluminum - Sand with 80 - 180 grit paper
- Fiberglass & SMC - Sand with 150 - 240 grit paper
- Always clean surface prior to application with 5900 or 5910 wax & grease remover



Mixing

- 2 Parts Hi Prime Primer Surfacer
- 3 Parts VOC Compliant Thinner



Set Up Tech Info

Tip/Needle:	1.5mm to 1.8mm
Spot Air Pressure:	35 - 45 psi / HVLP 5 to 10 psi at cap
Overall Air Pressure:	45 - 55 psi / HVLP 5 to 10 psi at cap
Viscosity (#2 Zahn)	18 - 20 seconds
Film Build	0.6-0.8 mils DFT per full wet coat
Coverage	208 sq. ft. @ 1 mil



Application

Apply 2-3 full wet coats to provide filling and leveling of sand scratches and minor imperfections on refinish surface. Allow 10 to 15 minutes between full wet coats. Time may vary due to heat and humidity conditions. Adjust accordingly with the appropriate temperature color grade lacquer thinner.



Drying

Sand Time	20 - 30 minutes with appropriate Lacquer Thinner
Recoat	30 minutes dry time, sand with 400 grit before recoating with primer or sealer.
Topcoat	30 minutes dry time, sand with 400 grit before topcoating with lacquer or enamel.



Physical Data

Volume Solids RTS	13%
Pot Life	Indefinite
VOC (sprayable)	4.8lbs/gal.
Humidity Resistance	Good
Salt Spray Test	Good
Lead & Chromate	Lead & Chromate Free



Master Tips

It is important to choose the proper temperature range lacquer thinner. Accelerated evaporation can actually condense water vapor within primer surfacer and severely reduce primers adhesion and sanding properties. Sealing is recommended if topcoating with a urethane or synthetic enamel topcoat. Allow an extended flash off time after the use of wax & grease removers due to primers porous nature.



Barrier Coat

Barrier coat is a ready to spray high solids, water borne primer surfacer offering a protective coating on sensitive or troublesome substrates. Barrier coat also offers incredibly smooth sanding and filling properties compatible with solvent based and water based primer, sealers and topcoats. Product color: Gray



Part #	Description	Size
8482	Barrier Coat Primer	Quart



Substrates

- Fully cured finishes - Sand with 240 - 320 grit paper
- Steel, Galvanized & Aluminum - Pre Coat with Super Etch or Etch Fill Self Etching Primer
- Fiberglass and SMC - Sand with 150 - 240 grit paper



Mixing

- No reduction or catalyzation. Product packaged ready to spray. However, if better flow is required, primer can be reduced up to 10% with de-ionized water.



Set Up Tech

Tip/Needle:	1.4mm to 1.6mm
Spot Air Pressure:	35 - 45 psi / HVLP 5 to 10 psi at cap
Overall Air Pressure:	45 - 55 psi / HVLP 5 to 10 psi at cap
Viscosity (#2 Zahn)	20 - 25 seconds
Film Build	2.5-4.5 mils
Coverage	540 sq ft /gallon @ 1 mil



Application

Apply 2 - 3 full wet coats to provide protective barrier coat on sensitive or problem repair areas. Allow each coat to become hand slick before additional coats are added, typically 15 minutes. See Master Tips.



Drying

Sand Time	Typically 30 - 60 minutes, greatly depends on ambient heat & humidity
Recoat	Typically 30 -60 minutes, greatly depends on ambient heat & humidity
Topcoat	
Pot Life	Indefinite



Physical Data

Volume Solids RTS	34%
VOC RTS	.3 lb./gallon
Humidity Resistance	Very good
Salt Spray Test	Very good



Master Tips

For best performance, bare metals, galvanized and zinc coated should be precoated with Super Etch or Etch Fill Self Etching Primer. Water based product - condition spray equipment with water or water-borne wax & grease remover like AntiStatic wax & grease remover. Use of an infrared curing system will greatly improve drying times.



Acrylic Sealer

Ready to spray acrylic sealer for faster topcoat coverage and better color holdout. This sealer is fast drying, easy flowing and provides a uniform color that's satin smooth. Gray

Part #	Description	Size
8430	Acrylic Sealer	Gallon
8431	Acrylic Sealer	Quart



Substrates

Fully Cured Finishes: Sand with 240-320 grit paper
 Steel, Galvanized & Aluminum: Pre Coat with Super Etch or Etch Fill Self Etching Primer
 Fiberglass & SMC: Sand with 150-240 grit paper



Mixing

Ready To Spray



Set Up Tech Info

Tip/Needle:	1.3mm to 1.5mm
Spot Air Pressure:	35 - 45 psi / HVLP 5 to 10 psi at cap
Overall Air Pressure:	45 - 55 psi / HVLP 5 to 10 psi at cap
Viscosity: #2 Zahn	19-20 seconds
Film Build:	.05 mils / full wet coat
Coverage (@ 1 mil)	387 sq. ft. @ 1 mil



Application

Apply 1-2 medium coats @ 40-50 psi allowing 10-15 minutes between coats.



Drying

Topcoat	20-30 minutes
Recoat	30 minutes
Sand Time	30 minutes
Pot Life	Indefinite - Stir thoroughly



Physical Data

Volume Solids RTS	24.1%
Pot Life:	Indefinite
VOC RTS:	4.6 lbs/gallon



Master Tips

Acrylic Sealer must be mixed well before use. If sealer is allowed to dry for more than 48 hours, scuff sand and reapply 1 coat of sealer before topcoating. Film build, temperature, and humidity will affect dry times.



ShadeSystem 2K Sealer

ShadeSystem 2K Sealer is a super productive primer sealer that offers a variable gray shade intermix system, excellent flow and leveling, excellent color holdout and medium build to fill many small surface imperfections. ShadeSystem 2K Sealer can be topcoated 15-30 minutes after application, nib sanded after 20-30 minutes if needed.

Part #	Description	Size
8321	S1 ShadeSystem 2K Sealer White	Gallon
8322	S1 ShadeSystem 2K Sealer White	Quart
8324	S4 ShadeSystem 2K Sealer Gray	Gallon
8325	S4 ShadeSystem 2K Sealer Gray	Quart
8327	S7 ShadeSystem 2K Sealer Black	Gallon
8328	S7 ShadeSystem 2K Sealer Black	Quart
8124	ShadeSystem Sealer Activator	Quart
8125	ShadeSystem Sealer Activator	1/2 Pint



Substrates

Fully Cured Finishes: Finish sand with 400-600 grit paper.
 Steel, Galvanized & Aluminum: Pre Coat with Super Etch or Etch Fill Self Etching Primer
 Fiberglass & SMC: Finish sand with 400-600 grit paper



Mixing

4 Parts Sealer
 1 Part Activator

	S1	S2	S3	S4	S5	S6	S7
Recommended Shade:							
Color Type:	No Mix 8321/8322 Whites Lt Yellow Sivers	2 parts S1 1 part S4 Lt Red Lt Green Lt Blue Lt Brown Med Yellow	1 part S1 2 parts S4 Med Red Med Green Med Blue Med Brown Med Dk Silver	No Mix 8324/8325 Med Dk Red Med Dk Green Med Dk Blue Med Dk Brown Charcoal Silver	2 part S4 1 part S7 Dk Red Dk Green Dk Blue Dk Brown Dk Charcoal Silver	1 part S4 2 parts S7 Dk Red Dk Green Dk Blue Dk Brown	No Mix 8327/8328 Black Very Dk Red Very Dk Green Very Dk Blue Very Dk Brown

Set Up Tech Info



Tip/Needle: 1.3mm to 1.5mm
 Spot Air Pressure: 35 - 45 psi / HVLV 5 to 10 psi at cap
 Overall Air Pressure: 45 - 55 psi / HVLV 5 to 10 psi at cap
 Film Build: 1-1.5 mils / full wet coat
 Coverage (@ 1 mil) 548 sq. ft. @ 1 mil



Application

Apply 1 medium wet coat using 35-45 psi at the gun. Allow 15-30 min. flash before topcoating.



Drying
 Topcoat 15-30 minutes
 Recoat 30 minutes
 Sand Time 20-30 minutes



Physical Data

Volume Solids RTS 34.1%
 Pot Life: 2 hours
 VOC RTS: 4.6 lbs/gallon



Master Tips

Film build, temperature, and humidity will affect dry times. Do not use accelerator or fish eye eliminator in this product.



Production Clear

A medium solid clearcoat with excellent performance in air and force dry applications. Faster and easier to apply than high solids clearcoats. Your choice of fast, medium or slow activators for spot, panel or overall refinishing. Mix Ratio 4:1



Quick Spot Clear

Quick Spot Urethane Clear is designed for fast curing spot and panel repairs, especially in cooler temperature environments. Quick Spot is very fast, buffs quickly and easily for quick delivery and great productivity. Mix Ratio 4:1



Urethane Clear

Urethane Clear is an extremely versatile clear that can be used as a spot, panel, multi-panel, or overall clear. The resin used in this Urethane Clear offers extreme durability, retention of initial gloss, and DOI of the finish. Mix Ratio 4:1



Hi Solids Clear

Hi Solids Clear is a 4.2 VOC Urethane Clear that exhibits superior flow, excellent gloss retention and depth. Its high solid content offers exceptional coverage & depth with only 2 coats. Mix Ratio: 2:1





Production Clear

Medium solids production urethane clear. Excellent performer in air and force dry applications of spot repair, panel repair, and overall refinishing. Easy to apply, outstanding flow and leveling, excellent gloss and DOI (Distinction Of Image) excellent durability. Color: Water White



Part #	Description	Size
9000	Production Clear	Gallon
9004	Production Clear Catalyst Fast	Quart
9005	Production Clear Catalyst Medium	Quart
9006	Production Clear Catalyst Slow	Quart



Substrates

Apply over basecoats, catalyzed enamels or urethanes. Follow basecoat manuf. prep recommendations.



Mixing

4 part Production Clear
1 part Production Clear Catalyst



Set Up Tech Info

Tip/Needle:	1.3mm to 1.5mm
Spot Air Pressure:	35 - 45 psi / HVLP 5 to 10 psi at cap
Overall Air Pressure:	45 - 55 psi / HVLP 5 to 10 psi at cap
Viscosity: #2 Zahn	17 - 19 seconds
Film Build:	0.8 - 1.0 mils / full wet coat
Coverage (@ 1 mil)	465 sq. ft. @ 1 mil



Application

Apply 2-3 full wet coats @ 40-50 psi allowing 10-15 minutes between coats.



Drying

Air Dry	w/9004 Fast	w/9005 Medium	w/9006 Slow
Dust Free	5-10 minutes	5-10 minutes	10-15 minutes
Tack Free	15 minutes	20 minutes	25 minutes
Sand Time	16 hours	16 hours	16 hours
Recoat	16 hours	16 hours	16 hours
Pot Life	4-5 hours	8-10 hours	8-10 hours
Force Dry - Purge for 15 minutes, 30 minutes at 140° F.			
Sand	1 hour	1 hour	1 hour
Recoat	1 hour	1 hour	1 hour



Buffing

If necessary, sand with 1500 or finer grit after 16 hours. Buff with appropriate compound after 24 hours. Buffing is easiest when done within the first 48 hours following application.



Physical Data

Volume Solids RTS	29%
Pot Life:	4 to 10 hours
VOC RTS:	Less than or equal to 4.4 lb./gallon
Humidity Resistance:	Excellent
Salt Spray Test:	Excellent



Master Tips

If problem occurs during application, painter must get a minimum of 2 coats on vehicle before stopping for repair or additional recoat. Allow to dry overnight, then scuff before primer, color or clear application. Retard in extreme heat or humidity. Accelerate in shop temps below 70°F. If buffing is necessary, buffing operation will be easier within 4 days of application.



Quick Spot Clear

Quick Spot Urethane Clear is designed for fast curing spot and panel repairs, especially in cooler temperature environments. Quick Spot is very fast, buffs quickly and easily for quick delivery and great productivity. Mix Ratio 4:1

Part #	Description	Size
8910V	Quick Spot Urethane Clear	Gallon
8914V	Quick Spot Urethane Clear	Quart
8185V	Urethane Clear Catalyst Normal	Quart
8183V	Urethane Clear Catalyst Normal	Half Pint
8186V	Urethane Clear Catalyst Slow	Quart
8184V	Urethane Clear Catalyst Slow	Half Pint



Substrates

Apply over basecoats, catalyzed enamels or urethanes. Follow basecoat prep recommendations.



Mixing

4 part Quick Spot Clear
1 part Urethane Clear Catalyst



Set Up Tech Info

Tip/Needle:	1.3mm to 1.5mm
Spot Air Pressure:	35 - 45 psi / HVLP 5 to 10 psi at cap
Overall Air Pressure:	45 - 55 psi / HVLP 5 to 10 psi at cap
Viscosity: #2 Zahn	18 - 21 seconds
Film Build:	1.0 - 1.5 mils / full wet coat
Coverage (@ 1 mil)	698 sq. ft. @ 1 mil



Application

Apply 1 medium coat followed by 1 full wet coat, 5-10 min. flash w/8185V, 10-15 min. flash w/8186V.



Drying

Air Dry	w/8185V Panel(normal)	w/8186V Overall (slow)
Dust Free	10 min	15 min
Tack Free	15 min	17 min
Sand Time	2-5 hours	4-7 hours
Recoat	12 hours	12 hours
Pot Life	30 min	1 hour
Force Dry - Purge for 15 to 20 minutes, 30 minutes at 140° F.		
Sand	after cool down	after cool down
Recoat	after cool down	after cool down



Buffing

If necessary, sand with 1500 or finer grit. Buff with appropriate compound. Buffing is easiest when done within the first 12 hours following application.



Physical Data

Volume Solids RTS	43.8%
Pot Life:	30 minutes to 1 hour
VOC RTS:	Less than or equal to 4.2 lb./gallon
Humidity Resistance:	Excellent
Salt Spray Test:	Excellent



Master Tips

Always apply a minimum of two coats. Up to a 1/2 oz of accelerator may be added to reduced quart in cold environments, except when using 8185V. Clean spray equipment immediately! Do not use this clear as an "overall" clear. It is designed as a spot and panel clear. Buff within 12 hours of application.



Urethane Clear

The most versatile clear you'll ever use. Designed for spot repair, panel repair, and overall refinishing. A unique resin and catalyst system work together to offer you easy application, outstanding flow and leveling, superior gloss and DOI (Distinction Of Image) and extreme durability. Color: Water White



Part #	Description	Size
8900V	Urethane Clear	Gallon
8904V	Urethane Clear	Quart
8185V	Urethane Clear Catalyst Spot & Panel	Quart
8183V	Urethane Clear Catalyst Spot & Panel	Half Pint
8186V	Urethane Clear Catalyst Multi Panel & Overall	Quart
8184V	Urethane Clear Catalyst Multi Panel & Overall	Half Pint



Substrates

Apply over basecoats, catalyzed enamels or urethanes. Follow basecoat prep recommendations.



Mixing

4 part Urethane Clear
1 part Urethane Catalyst



Set Up Tech Info

Tip/Needle:	1.3mm to 1.5mm
Spot Air Pressure:	35 - 45 psi / HVLP 5 to 10 psi at cap
Overall Air Pressure:	45 - 55 psi / HVLP 5 to 10 psi at cap
Viscosity: #2 Zahn	18 - 20 seconds
Film Build:	2.0 - 3.0 mils / full wet coat
Coverage (@ 1 mil)	625 sq. ft. @ 1 mil



Application

Apply 1 medium coat followed by 1 full wet coat for incredible gloss and DOI. 10-15 minutes between coats.



Drying

Air Dry	w/8185V Spot & Panel	w/8186V Overall
Dust Free	10-20 min	25-30 min
Tack Free	25-40 min	45-60 min
Sand Time	16 hours	16 hours
Recoat	Overnight	Overnight
Pot Life	1.5-2.5 hours	4-6 hours
Force Dry - Purge for 15 to 20 minutes, 40 minutes at 140° F.		
Sand	1 hour	1 hour
Recoat	4 hours	4 hours



Buffing

If necessary, sand with 1500 or finer grit after 16 hours. Buff with appropriate compound after 24 hours. Buffing is easiest when done within the first 48 hours following application.



Physical Data

Volume Solids RTS	39%
Pot Life:	4 to 6 hours
VOC RTS:	Less than or equal to 4.2 lb./gallon
Humidity Resistance:	Excellent
Salt Spray Test:	Excellent



Master Tips

If problem occurs during application, painter must get a minimum of 2 coats on vehicle before stopping for repair or additional recoat. Allow to dry overnight, then scuff before primer, color or clear application. Retard in extreme heat or humidity. Accelerate in shop temps below 70°F. If buffing is necessary, buffing operation will be easier within 2 days of application.



Hi Solids Clear

Hi Solids Clear is a 4.2 VOC Urethane Clear that exhibits superior flow, excellent gloss retention and depth. Its high solid content offers exceptional coverage & depth with only 2 coats. Color: Water White



Part #	Description	Size
8990	Hi Solids Clear	Gallon
8994	Hi Solids Clear	Quart
8195	Hi Solids Clear Catalyst #5	Quart
8196	Hi Solids Clear Catalyst #6	Quart
8193	Hi Solids Clear Catalyst #5	1/2 Pint



Substrates

Apply over basecoats, catalyzed enamels or urethanes. Follow basecoat mfg prep recommendations.



Mixing

2 part Hi Solids Clear
1 part Urethane Catalyst
Up to 10% urethane reducer can be added if desired.



Set Up Tech Info

Tip/Needle: 1.3mm to 1.5mm
Spot Air Pressure: 35 - 45 psi / HVLP 5 to 10 psi at cap
Overall Air Pressure: 45 - 55 psi / HVLP 5 to 10 psi at cap
Viscosity: #2 Zahn 20-25 seconds
Film Build: 2 - 3 mils
Coverage: 651 sq. ft. @ 1 mil



Application

Apply 1 medium wet coat followed by a full wet coat. 10-15 minutes flash between coats.



Drying

Air Dry	w/8195 Spot & Panel	w/8196 Overall
Dust Free	15-20 min	15-20 min
Tack Free	30-45 min	30-45 min
Sand Time	16-24 hours	16-24 hours
Recoat	Overnight	Overnight
Pot Life	3-5 hours	3-5 hours
Force Dry - Purge for 15 to 20 minutes, 40 minutes at 140° F.		
Sand	1 hour	1 hour
Recoat	4 hours	4 hours



Buffing

If necessary, sand with 1500 or finer grit paper after 16 hours. Buff with appropriate compound after 24 hours. Buffing is easiest when done within the first 48 hours following application.



Physical Data

Volume Solids RTS	43%
Pot Life:	5 hours
VOC RTS:	4.2 lb./gallon
Humidity Resistance:	Excellent
Salt Spray Test:	Excellent



Master Tips

If problem occurs during application, painter must get a minimum of 2 coats on vehicle before stopping for repair or additional recoat. Allow to dry overnight, then scuff before primer, color or clear application. Retard in extreme heat or humidity. Accelerate in shop temps below 70°F.



Foam Pads

Self centering design protects vehicle from the backing plate edges, eliminating scuffs, burns, and marks from the backing plate edge. The reticulated open cell foam provides extreme durability and tear strength. Controlled porosity of foam insures uniform cutting & polishing action. Lamination of the velcro surface insure long life and use. Velcro edges will not lift or tear from pad. Foam pads are completely washable.

Flat 8" Foam Pads

Part #	Description	Size
3000	Foam Compounding Pad (yellow)	8"x2"
3058	Foam Polishing Pad (black)	8"x2"
3078	Foam Final Finish Pad (white)	8"x2"



Cool Vent 8" Foam Pads

Special vented design to help keep surface cool.

Part #	Description	Size
3025	Foam Compounding Pad (yellow)	8"x2"
3050	Foam Polishing Pad (black)	8"x2"
3075	Foam Final Finish Pad (white)	8"x2"



Cool Curve 8" Foam Pads

Special vented design to help keep surface cool plus curved edge for better buffer control.

Part #	Description	Size
3110	Foam Compounding Pad (yellow)	8"x2"
3115	Foam Polishing Pad (black)	8"x2"
3120	Foam Final Finish Pad (white)	8"x2"



6" Pads

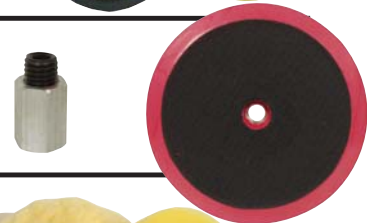
Great for dual action sanders. Turns your DA into a finesse buffer.

Part #	Description	Size
2900	Foam Compounding Pad (yellow)	6"x2"
2950	Foam Polishing Pad (black)	6"x2"
2975	Foam Final Finish Pad (white)	6"x2"



Buffing Accessories

Part #	Description	Size
2100	Double Sided Pad Adapter	
3300	Velcro Backing Plate (for 8" Pads)	



Micro Buffing Kit

The ultimate micro buffing kit. great for small parts and tight corners.

Part #	Description	Size
3140	Micro Pad Kit	

Micro Pad Kit

3141	Wool Buffing Pad (white wool)	3"
3142	Wool Polishing Pad (yellow wool)	3"
3143	Foam Buffing Pad (yellow)	3"
3144	Foam Polishing Pad (black)	3"
3145	Backing Plate	5/8-11
3146	DA Adapter	5/8-11 to 5/16-24





Wash Mitt

Premium wash mitt made from scratch proof fibers.

Part #	Description
3202	Wash Mitt



Scrub Sponge

Stiff foam sponge designed for removing stubborn dirt, tar, and bugs.

Part #	Description
3203	Scrub Sponge



Wax Applicator

Soft terry cloth applicator for waxes and polishes.

Part #	Description
3204	Wax Applicator



Polishing Cheese Cloth

5 lb roll of washable knit fabric for removing wax, polish and general cleaning.

Part #	Description
3205	Polishing Cheese Cloth



Synthetic Chamois

Thirsty synthetic chamois for streak free drying.

Part #	Description	Size
3201	Synthetic Chamois	720 sq in
3206	Synthetic Chamois	3 sq ft



Microfiber Cloth & Towels

The ultimate wipe for cleaning and polishing.

Part #	Description
3210	Single 16" x 16"
3211	3Pk 16" x 16"
3212	Towel 27" x 36"



Compounding Pads

100% Wool four ply twist and sturdy backing offers smooth operation of the most aggressive wool compounding pads available. The tighter stitching of 30% more wool on our compounding pads offer greater durability and increased life.

Part #	Description	Size
2175	Grip On Wool Pad	7.5"x1.5 Pile
2875	Bolt On Wool Pad	7.5"x1.5 Pile



Polishing Pads

Blended with single ply Wool and acrylic, this pad offers state of the art technology in polishing pads. Far less aggressive than 100% wool pads, it helps prevent swirl mark problems with today's finishes

Part #	Description	Size
2275	Grip On Wool Pad	7.5"x1.5 Pile



Double Sided Pads

Double Sided Compounding Pad offers two sides of 1 1/2 inch pile, single ply twisted wool for a fast aggressive cut. Double Sided Polishing Pad offers two sides of 1 1/2 inch pile, single ply wool blended with acrylic fibers for soft, swirl mark free polishing. Designed for today's clear coat finishes.

Part #	Description	Size
2701	Double Sided Compounding	7.5"x1.5 Pile
2705	Double Sided Polishing	7.5"x1.5 Pile



Tie On Bonnets

Super soft lambs wool for polishing. Convenient tie on bonnet for use over compounding wheel or orbital polishers.

Part #	Description	Size
2804	Tie On Bonnet Lambs Wool	8"
2904	Tie On Bonnet Lambs Wool	9"

