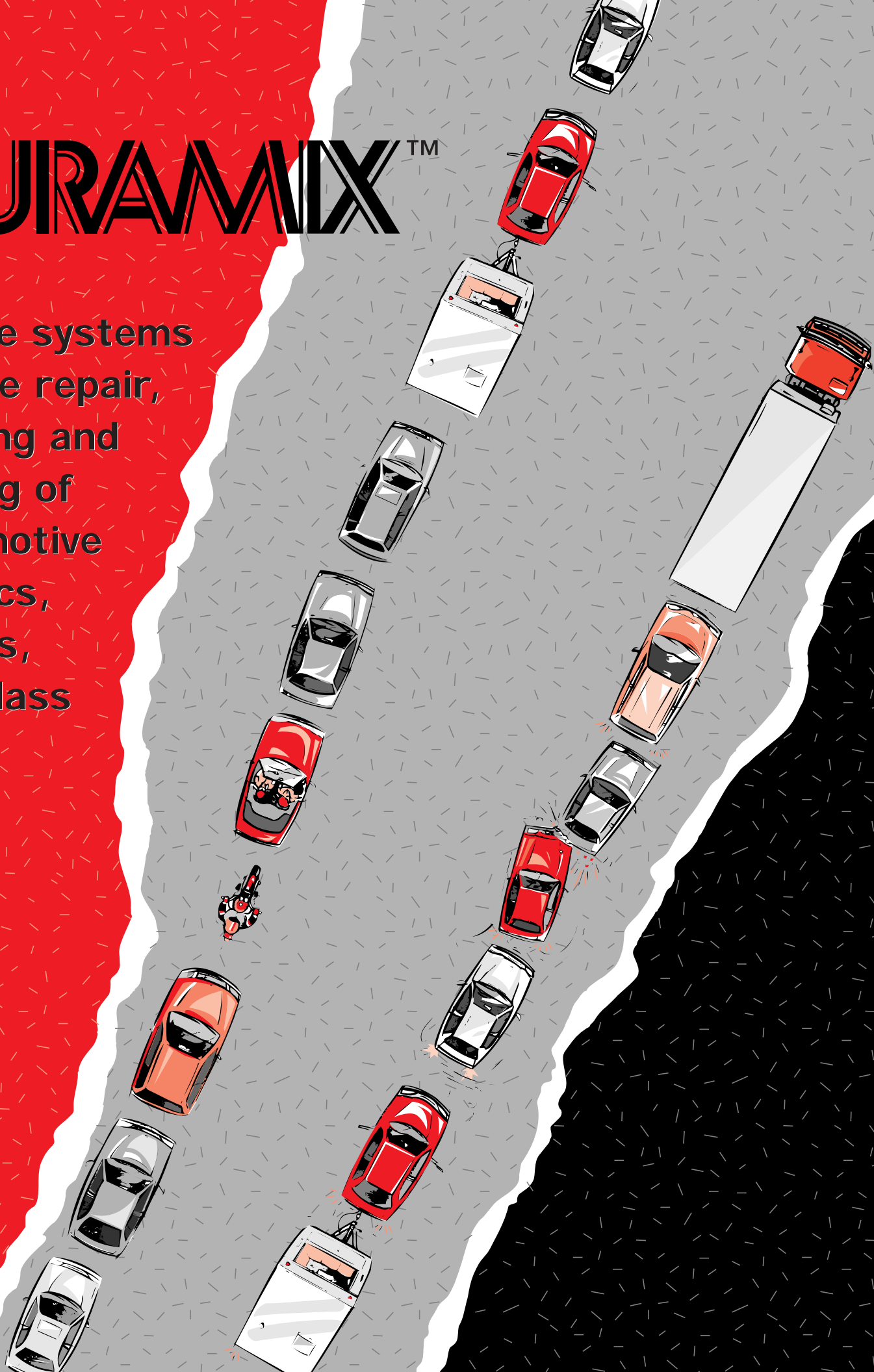


DURAMIX™

Unique systems
for the repair,
bonding and
sealing of
automotive
plastics,
metals,
and glass





Plastics Repair Products

DURAMIX™ REPAIR MATERIALS are designed to match the hardness or flexibility of the material to be repaired. Based upon unique urethane technology, Duramix™ repair materials are fast setting to minimize the wait for sanding and finishing.

PLASTIC REPAIR TRAINING VIDEO

is now available. Ask your local sales representative.

4812 INTRODUCTORY PLASTICS REPAIR KIT

, which features all the needed materials at special pricing. Ask your local sales representative. See page 11 for full product description.

4030 FLEXIBLE PLASTIC REPAIR

Flexible urethane repair material for repairs on non-TPO flexible bumpers or parts. Sets within 1 minute and sands easily after 15 minutes. Will not peel back when sanded.

Work = 50 seconds
Sand = 15 minutes
Cure = 1 hour



4031 GENERAL PURPOSE REPAIR & ADHESIVE MATERIAL, FLEXIBLE

Slower and more flexible counterpart to the fast working PN 4030.

Work = 3 minutes
Sand = 30 - 60 minutes
Cure = 4 hours



4036 THERMOPLASTIC OLEFIN REPAIR (TPO)

Flexible urethane for repairing TPO-type plastics including TEO, Metton, Polypropylene and EPDM. Simulates the properties of olefinic plastics. Sets within 1 minute and sands easily after 15 minutes. Use in conjunction with TPO Adhesion Promotor (PN 4924 or PN 4524).

Work = 50 seconds
Sand = 15 minutes
Cure = 1 hour



4040 SEMI-RIGID PLASTIC REPAIR

Semi-rigid urethane material for repairing Xenoy, HPA, ABS, PPO, SAN, PA, GTX, UP, SRIM, RRIM and other semi-rigid plastic parts and bumper covers. Sets within 1 minute. Sands easily after 15 minutes.

Work = 50 seconds

Sand = 15 minutes

Cure = 1 hour



4045 SEMI-RIGID PLASTIC REPAIR (OPAQUE)

Same properties as Duramix™ 4040, but opaque in color.



4041 SEMI-RIGID GENERAL PURPOSE ADHESIVE & REPAIR

Slower counterpart to the fast working Duramix™ 4040.

Work = 2 minutes

Sand = 30 - 60 minutes

Cure = 4 hours



4058 E-Z SAND PLASTIC FINISHING PASTE

Filled Part A and Part B components, packaged in a 6 fluid ounce dual cartridge. For back-filling pinholes in repair areas of urethane or TPO plastic bumpers and panels. To be used with the Duramix™ dispenser. Easy to use. Produces excellent, non-swelling cosmetic base for primers and sealers. Eliminates halo effects. No mixer tip required.

Work = 3 minutes

Sand = 8 - 10 minutes



4052 RAPID PATCH™ URETHANE REPAIR KIT

Rapid Patch™ is a two-component urethane paste system packaged in metal squeeze tubes. Included in the kit are mixing pads (10 tear-away sheets) and mixing spatulas. Net contents of the kit are approximately 5.4 ounces. Rapid Patch is for rigid plastic repairs. The work time for the mixture is approximately 2½ minutes and the sanding time approximately 15 minutes. Rapid Patch sands very easily and is excellent for filling pinholes or feathering other Duramix™ products, should it be necessary.





SMC Repair Products

SMC REPAIR AND ADHESIVES

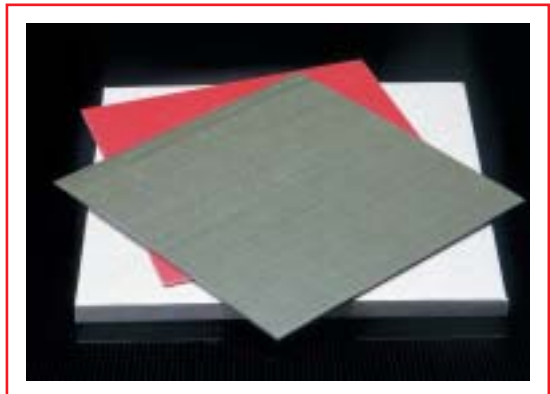
Rigid urethanes that produce a tough bond on SMC, fiberglass and metal spaceframes. Easily dispenses as paste onto PN 4917 fiberglass panels. Four different working times are provided.

SMC REPAIR TRAINING VIDEO is now available. Ask your local sales representative.

BACKER PANELS:

4917 FIBERGLASS PANELS

This fiberglass panel is used to reconstruct exterior damaged panels. It is available in 1 foot square by $\frac{3}{32}$ inch sections.



4050 SMC FIBERGLASS BACKER REPAIR (FAST SET)

A rigid urethane material for quick bonding. Use Fiberglass Backer Panels on SMC or FRP.

Work = 50 seconds

Bond = 5 minutes

Cure = 1 hour



4154 FIBERGLASS PANEL SPLICING ADHESIVE

Semi-rigid adhesive for splicing and bonding SMC/fiberglass backer panels. Ideal for reinforcing crushed or punctured fiberglass. Sets up quickly to form a tenacious bond.

Work = 3 minutes

Bond = 5 minutes

Cure = 8 hours

4056 HIGH DENSITY SMC FILLER (FOR ALL FIBERGLASS)

A high quality SMC filler resin system designed to expand and contract with the original SMC under all weather conditions. Minimal pinholing, non-bleeding, waterproof, fast sanding, no halo effect. High density characteristics provide deep-filling capabilities. Works on all fiberglass, including SMC. Paintable in 1 hour. Available in quart cans.

Work = 3 - 6 minutes

Sand = 15 minutes

Cure = 4 hours



4188 LARGE SMC FIBERGLASS PANEL ADHESIVE

Rigid urethane that produces a tough bond on SMC and fiberglass panels. Excellent for bonding panels on MPV/APV vans and Corvettes. Has 60 minute working time and bonds in 6 hours.

Work = 60 minutes

Bond = 6 hours

Cure = 24 - 48 hours



4186 SMALL SMC FIBERGLASS PANEL ADHESIVE

Faster version of Duramix™ PN 4188 that allows clamps to be removed sooner. Has a 20 minute work time and clamps can be removed in 4 hours.

Work = 20 minutes

Bond = 4 hours

Cure = 24 hours

DURAMIX™ METAL BONDING ADHESIVES



Panel Bonding and General Purpose Adhesives

DURAMIX™ METAL BONDING ADHESIVE

Duramix™ two part, liquid-liquid urethane adhesives have been crash-tested and replaces welding for most non-structural panel bonding applications. Designed to save shop time and money, Duramix™ metal bonding eliminates having to straighten weld-deformed panels, grinding off high spots from welds, and having to use excess body filler due to warpage. Unique formula eliminates the need for rust-inhibiting primers and seals against moisture and corrosion. In most uses, no need to remove or cover interior panels and trim which greatly reduces panel finish time. Low odor formula.

METAL BONDING TRAINING VIDEOS are now available. Ask your local sales representative.



Duramix™ PN 4179 Metal Bonding Adhesive is applied prior to crash test. Duramix™ mixes and applies in one easy step. Its 60 minute work time allows bonded panels to be easily positioned prior to final set.



FMVSS 301 Test simulates rear end impact at 29.8 mph. Duramix™ rear quarter and sail panels, although crushed, remained securely affixed to the frame.

4171 ALUMINUM PANEL ADHESIVE

Used to bond aluminum to aluminum panels. Use a metal etching prep or primer when bonding aluminum. Has a convenient 60 minute work time and 6 hours declamp time (use heat to reduce declamp time to 1½ hours).

Work = 60 minutes
Declamp = 6 hours
Cure = 24 - 48 hours



4176 SMALL METAL PANEL ADHESIVE

Exceptionally strong urethane adhesive for bonding steel parts, such as fenders and quarter panels, where a 20 minute work time is needed. Bond or declamp time is 4 hours (use heat to reduce declamp time to 1½ hours).

Work = 20 minutes
Bond = 4 hours
Cure = 24 hours



4178 MEDIUM METAL PANEL & DOORSKIN ADHESIVE

Fast curing doorskin bonding adhesive that can also be used to bond other steel panels when a 45 minute work time is desired. Bonds doorskins in 2 hours. Other panels and parts are bonded in 6 hours (use heat to reduce declamp time to 1½ hours).

Work = 45 minutes
Bond = 6 hours/2 hours (doorskin)
Cure = 24 hours



4179 LARGE METAL PANEL ADHESIVE

Excellent urethane adhesive for bonding metal panels, such as large quarter panels and roofskins. 60 minute work time and a 6 hour bond or declamp time (use heat to reduce declamp time to 1½ hours).

Work = 60 minutes
Bond = 6 hours
Cure = 24-48 hours



4055 FIBERGLASS-FILLED POLYESTER PUTTY

Fiberglass-filled body putty used for cosmetic blending of bonded panels. Duramix™ PN 4055 will prevent bond lines from showing at the sail panel and in other seam areas. Easy sanding with no bleed-through.

Work = 4½ minutes
Sand = 20 minutes
Cure = 20 minutes



4125 UNIVERSAL ADHESIVE

Flexible urethane for bonding plastic add-on parts, such as spoilers, flares, air dams, impact strips, emblems and various other ground effects parts to metal or plastic panels. Tough, flexible bond prevents cracking. Allows repositioning of impact strips during application. Offers a 10 minute working time and sets within 30 minutes.

Work = 10 minutes

Bond = 30 minutes

Cure = 4 hours



4150 SIDE GLASS CHANNEL ADHESIVE

Semi-rigid urethane material for bonding side glass to metal or plastic channels. Sets within 3 minutes. Glass becomes structurally bonded to channel within 10 minutes.

Work = 3 minutes

Bond = 10 minutes

Cure = 2 hours



4747 SUPER FAST ADHESIVE (50cc CARTRIDGE)

A super fast-setting adhesive which does not require a separate accelerator such as cyanacrylate adhesives. Duramix™ PN 4747 has excellent wide gap filling capabilities and withstands a wide range of temperatures. Will not run or sag. Also available in 6 ounce cartridge, PN 4147.

Work = 20 seconds

Bond = 30 seconds

Cure = 60 minutes





Foams and NVH Damping Material

DURAMIX™ FOAMS may be used in a variety of applications including a flexible foam to prevent flutter and to dampen sound vibrations, a flowable pillar foam for reinforcing pillars and posts, and a semi-rigid foam for sealing vehicle panels from air and water leaks.

4320 FLEXIBLE FOAM

Flexible urethane foam applies to panels without sagging. Designed to duplicate OEM foams. Stops flutter and dampens sound in panels, under hoods and inside doorskins. Does not require moisture to cure. Rises within 5 seconds and sets within 1 minute.

Dwell¹ = 10 seconds

Work² = 5 seconds

Seal³ = 1 minute

Cured⁴ = 1 hour



4330 PILLAR FOAM

A flowable, semi-rigid urethane foam for pillars and posts. Provides partial reinforcement and NVH (noise, vibration, harshness) reduction. Has flow properties to fill a 2 foot section. Does not require moisture to cure. Rises within 10 seconds and sets within 2 minutes.

Dwell¹ = 5 seconds

Work² = 10 seconds

Seal³ = 2 minutes

Cured⁴ = 2 hours



4350 SEMI-RIGID FOAM

Semi-rigid urethane foam applies to vertical panels without sagging. Seals air and water leaks. Excellent for sealing around gas tank filler area. Can also be used to stop flutter and vibrations on thick panels. Does not require moisture to cure.

Dwell¹ = 5 seconds

Work² = 5 seconds

Seal³ = 1 minute

Cured⁴ = 1 hour



4374 NVH DAMPING MATERIAL

Flexible material for NVH damping. Use when a long work time is needed, such as when damping roofskins. Excellent for thin gaps where foams are difficult to use. Remains flexible in all weather.

Note: PN 4374 is not a foam, although it does perform the same damping function as a foam.

Do not use a PN 4907 Foam Mix Tip with this product.

Dwell¹ = 1 minute

Work² = 60 minutes

Seal³ = 6 hours

Cured⁴ = 24 hours



1 "Dwell" means period of time before trigger must be squeezed to keep mixture from setting up in mixer tip. To be used with PN 4907 mixer tip.

2 "Work" means period of time for foam to rise and set in place.

3 "Seal" means period of time for foam to become structural.

4 "Cure" means time to full cure.

DURAMIX™ GLASS & WINDSHIELD SEALANTS



Glass Bonding Adhesives

DURAMIX™ GLASS AND WINDSHIELD SEALANTS

PN 4208 and PN 4209 are solventless, primerless, 2-part urethanes that are provided in 6 ounce cartridges. Applies with an easy squeeze of the trigger and self-cures without the need for moisture. All Duramix™ sealants are self-priming to glass.

4208 WINDSHIELD SEALANT

For installing windshields. Meets FMVSS 212 and 216 requirements within 24 hours. Self-priming.

Work = 10 minutes at 75° F

Seal = 60 minutes at 75°F

Structural cure to FMVSS 212 and 216.



4209 FAST-SET WINDSHIELD SEALANT

For installing backlites and opera windows. Ideal for installing vertically flushmounted backlites and other glass applications where fast cure times are needed. Self-priming.

Work = 6 minutes at 75° F

Seal = 20 minutes at 75°F



DURAMIX™ SEAM SEALERS



Seam Sealer Products

DURAMIX™ SEAM SEALERS

Duramix™ urethane sealers have adequate working times for caulking and sealing. Sets fast and bonds within 20 minutes. The flexible nature of Duramix™ sealers prevents shrinkage or cracking. After cure, the flexible bond has considerable strength, withstands debonding from vibration and withstands extreme weather. Contains no solvents or VOCs.

4223* FACTORY MATCH DOORSKIN SEALER (BLACK)

Duramix™ PN 4223 flows slightly and softens on the edges, without tooling, giving a rounded appearance as if applied at the factory. Use to duplicate factory doorskin seams as well as various other factory seams.

Work = 10 minutes
Bond = 20 minutes
Cure = 4 hours



4225* SEAM SEALER (OPAQUE)

Flexible urethane for sealing channels and seams. Protects against moisture by stopping water and air leaks. Will not shrink or crack. Withstands vibrations and temperature extremes. Sets in 20 minutes and can be painted in 1 hour (Opaque).

Work = 10 minutes
Seal = 20 minutes
Cure = 4 hours



4226* SEAM SEALER (BLACK)

Flexible urethane for sealing channels and seams. Protects against moisture by stopping water and air leaks. Will not shrink or crack. Withstands vibrations and temperature extremes. Sets in 20 minutes and can be painted in 1 hour (Black).

Work = 10 minutes
Seal = 20 minutes
Cure = 4 hours



4227 FLEXIBLE SELF-LEVELING SEAM SEALER

Flexible urethane formulation. Self-leveling properties make this ideal for roof ditch repair on Ford F150 trucks and Windstar vans, as well as other vehicles that have channel voids or cracked seams to fill.

Work = 3 minutes
Seal = 40 minutes
Cure = 2 hours



4229 CONTROLLED FLOW SEAM SEALER

Controlled-Flow Seam Sealer will run approximately 1½ to 2 inches when applied at a 45° angle. Excellent for sloped areas.

Work = 3 minutes
Seal = 40 minutes
Cure = 2 hours



*Comes packaged with PN 4927 mix tip adapter to help easily create ribbon beads.

DURAMIX™ KITS & BODY SHOP CABINET

4806 DURAMIX™ SMALL INTRODUCTORY KIT

Description	Product Number
Semi-Rigid Plastic Repair . . . . .	.4040*
E-Z Sand Plastic Finishing Paste . . . . .	.4058*
Large Metal Panel Adhesive . . . . .	.4179*
Duramix™ Applicator Gun . . . . .	.4997

*Each package contains a six ounce cartridge and one mixer tip



4812 PLASTICS REPAIR KIT

Description	Product Number
Flexible Plastic Repair . . . . .	.4030*
Thermoplastic Olefin Repair (TPO) . . . . .	.4036*
Skim Coat Plastic Filler . . . . .	.4058*
Package of 12 Mixer Tips (non-tapered) . . . . .	.4901
Reinforcement Patch (5" by 12' roll) . . . . .	.4904
Plastic Parts Prep & Cleaner (4 fluid ounce. aerosol) . . . . .	.4912
TPO Adhesion Promoter (1/4 pint brush top can) . . . . .	.4924
Cartridge/Accessory Storage Rack (small) . . . . .	.4934
Duramix™ Applicator Gun . . . . .	.4997

*Each package contains a six ounce cartridge and one mixer tip



4830 BODY SHOP CABINET ASSORTMENT KIT

Description	Product Number	Description	Product Number
Thermoplastic Olefin Repair (TPO) . . . . .	.4036*	Controlled Flow Seam Sealer . . . . .	.4229*
Semi-Rigid Plastic Repair . . . . .	.4040*	Flexible Foam . . . . .	.4320*
Fiberglass-Filled Polyester Putty . . . . .	.4055	NVH Damping Material . . . . .	.4374*
E-Z Sand Plastic Finishing Paste . . . . .	.4058	TPO Adhesion Promoter (4 ounce aerosol) . . . . .	.4524
Medium Panel/Doorskin Adhesive . . . . .	.4178*	Package of 12 Mixer Tips (non-tapered) . . . . .	.4901
Large Metal Panel Adhesive . . . . .	.4179*	Package of 12 Mixer Tips (tapered) . . . . .	.4902
Factory Match Door Skin Sealer . . . . .	.4223*	Reinforcement Patch (5" by 12' roll) . . . . .	.4904
Seam Sealer (amber) . . . . .	.4225*	Foam Mixer Tips . . . . .	.4907
Seam Sealer (black) . . . . .	.4226*	Plastic Parts Prep & Cleaner (4 fluid ounce) . . . . .	.4912
Flexible Self-Leveling Seam Sealer . . . . .	.4227*	Duramix™ Body Shop Cabinet . . . . .	.4980

*Each package contains a six ounce cartridge and one mixer tip



4847 SUPER FAST 50CC KIT

Description	Product Number
Six (6) containers of Super Fast Adhesive (clear) . . . . .	.4747
Bag of six (6) 50cc Mixer Tips . . . . .	.4909
Duramix™ 50cc Dispenser . . . . .	.4991



4980 DURAMIX™ BODY SHOP CABINET

The Duramix™ shop cabinet is a sturdy, high quality workstation cabinet that features locking doors and the famous Duramix™ Black Cat logo. It has a rack underneath to hang 6 ounce cartridges and applicator guns. Can be mounted on the wall or on top of a workbench.



4901/4914 DURAMIX™ MIXER TIPS (NON-TAPERED)

PN 4901 and PN 4914 produces a heavy bead used for most repair and bonding situations. PN 4901 contains 12 mixer tips, 3 packs per case. PN 4914 contains 50 mixer tips to a bag.



4902 DURAMIX™ MIXER TIPS (TAPERED)

PN 4902 allows you to apply a fine bead for use in bonding impact strips and sealing small seams, as well as many other applications where a fine bead is required. PN 4902 can be cut to the desired bead thickness. Each package contains 12 mixer tips, 3 packs per case.



4907 DURAMIX™ MIXER TIPS FOR FOAM PRODUCTS

PN 4907 mixer tips are designed to be used specifically with Duramix™ PN 4320, PN 4330 and PN 4350 foam products. Each package contains 12 mixer tips.



4909 DURAMIX™ MIXER TIPS FOR 20cc AND 50cc PRODUCTS

PN 4909 mixer tips are smaller and are to be used with our Duramix™ 20cc and 50cc products. Each package contains 6 mixer tips.



4926/4927 MIX TIP ADAPTERS

Mix tip adapters allow you to easily create a ribbon bead when sealing seams. PN 4927 has an attached guide for precision applications.



4947 DURAMIX™ PNEUMATIC DISPENSER

Easy to use pneumatic gun for dispensing 6 ounce Duramix™ cartridges.



4991 DURAMIX™ 50cc DISPENSER

High quality Duramix™ gun for dispensing of 50cc cartridges.



4997 DURAMIX™ APPLICATOR GUN

High quality Duramix™ gun for heavy-duty dispensing of 6 ounce cartridges. Protects cartridge and dispenses cartridge with broken flanges.



4903 PLASTIC CONTOUR SHEET

Special film to be overlaid on Duramix™ just after it has been applied. Prevents air entrapment when Duramix™ is condensed and contoured into the repair area. Also allows for non-messy spreading of Duramix™. Available in 12 foot by 5 inch rolls.



4904 REINFORCEMENT PATCH

Laminate of structural gauze and plastic release film. PN 4904 is used for reinforcing the backside of plastic repairs. Release film protects your hand from contact with wet Duramix™. Available in 12 foot by 5 inch rolls.



4910 PLASTIC PREP & CLEANER

A high quality, water-based cleaner specially designed for plastic parts cleaning and all other surfaces. Removes dirt, oil, grease and release agents efficiently. Quick drying. Available in quart spray bottles.



4912 PLASTIC PARTS PREP & CLEANER

A water-based plastic cleaner. Ideal for removing oily and waxy residue, especially on the TPO-type plastic. Available in 4 ounce spray bottle.



4917 FIBERGLASS PANELS

Fiberglass panels used to reinforce or repair all fiberglass, including SMC. PN 4917 panels are used to reconstruct exterior damaged panels. Comes in 1 foot square panels.



4934 CARTRIDGE/ ACCESSORY STORAGE RACK (SMALL)

Small storage rack holds cartridges and dispensing gun.



4935 CARTRIDGE/ ACCESSORY STORAGE RACK (LARGE)

Large storage rack with shelf to hold Duramix™ cartridges, dispensing gun and accessories.



4940 ORIFICE CLEARING PINS

Should the orifice on any of the Duramix™ cartridges become clogged, PN 4940 clearing pins will help to quickly and easily remove the obstruction. Use the clearing pin to loosen the obstruction while giving a slight squeeze on the gun trigger. The obstruction will pop right out. Packaged 100 pins per box.

4950 TACK-IT ADHESIVE

Spot bonding adhesive replaces metal tape and clamps. Temporarily holding plastic in place prior to reinforcement and bonding with Duramix™ materials. Sets in 30 - 60 seconds. Kit contains a 20 gram bottle of Tack-It with a 2 ounce bottle of accelerator.



4524 TPO ADHESION PROMOTER

Use for repair or refinishing of TPO plastics. Has quick 10 - 20 minute dry time. 4 ounce aerosol can.





The Big Cat in Metal Bonding,
and Plastic and SMC Repair



The Big Cat in Metal Bonding, and Plastic and SMC Repair

For Order Information or Technical Assistance
Please Call: 1-800-364-3577 or 651-737-6501

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