

3M Automotive



Protective, Decorative and Reflective Products

Distributed By:



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Protective, Decorative & Reflective Products

3M PRODUCT	PAGE NUMBER(S)	STAMPING				BIW		PAINT						GENERAL ASSEMBLY		GENERAL USE			
		1 PRESS ROOM	2 ASSEMBLY	3 METAL REPAIR	4 FACILITY & DIE MAINTENANCE	1 BODY PANEL & COMPONENT ASSEMBLY	2 METAL FINISHING	1 PRE-TREATMENT	2 SEALER	3 PRIMER	4 TOP COAT	5 FINESSE DECK	6 RE-PROCESS	1 TRIM & ASSEMBLY	2 RE-PROCESS	1 MAINTENANCE	2 SAFETY	3 PERSONAL CARE	4 FACILITY MANAGEMENT
PAINT FILMS																			
3M™ PAINT PROTECTION FILMS	91														●				
3M™ PAINT REPLACEMENT (BLACKOUT) FILMS	91									●					●				
PROTECTIVE TAPES																			
POLYETHYLENE TAPES	92-93														●				
UV TAPES	92-93														●				
CARPET TAPES	92-93														●				
CO-EXTRUDED "A" TAPES	92-93														●				
EXTERIOR PAINT PROTECTION																			
TRANSIT	94														●				
IN-PLANT MUTILATION	94														●				
INTERIOR PAINT PROTECTION																			
PLASTIC	94														●				
GLASS	94														●				
WOOD	94														●				
CARPET/FABRICS	94														●				
BUMPON™ PROTECTORS																			
BLISTER PACKS	95														●				
ROLL STOCK	95														●				
REFLECTIVE PRODUCTS																			
3M™ HIGH VISIBILITY REFLECTIVE SAFETY STRIPS	96														●		●		●
3M™ SCOTCHLITE™ REFLECTIVE TAPES	96														●		●		●
3M™ DIAMOND GRADE™ CONSPICUITY DISCS	96														●		●		●
3M™ DIAMOND GRADE™ CONSPICUITY MARKINGS	96														●	●	●		●
3M™ DIAMOND GRADE™ TRAILER MARKING KIT	97														●		●		●
STRIPE REMOVAL																			
SCOTCH-BRITE™ LASR DISC ASSEMBLY	97														●				
SCOTCH-BRITE™ ADHESIVE & STRIPE REMOVAL DISC	97														●				
3M™ STRIPE OFF WHEELS	97														●				
ACCESSORIES																			
3M™ ROLOC™+ HOLDER	98														●				
3M™ SCOTCHCAL™ COLOR CARD	98														●				
3M™ SQUEEGEES AND SLEEVES	98													●	●				
3M™ MODLING AND EMBLEM REMOVAL TOOL	98														●				
3M™ AIR RELEASE TOOL	98													●	●				

Protective, Decorative & Reflective Products

Paint Films

④ ① 3M™ Paint Protection Films

- Protection for automotive paint and other vulnerable surfaces from stone chips, scratches, bug damage, road tar stains, automotive fluid stains and punishing outdoor weathering—including harsh ultraviolet (UV) radiation.
- Approved for use by automotive OEMs.
- New PUL2000-series films offer excellent initial film clarity and gloss retention; the protective clearcoat helps to protect surfaces without stiffening the parts.
- Easier to apply on complex automotive surfaces.
- Orders of these products are generally customized in terms of shapes, sizes and quantities. Please contact your 3M representative to place an order or get additional product/application information.



Product Number	Clear Coat	Thickness
PUL8591	No	0.356 mil (0.014")
PUL8592	No	0.203 mil (0.008")
PUL2006	Single	0.203 mil (0.008")
PUL2008	Single	0.254 mil (0.010")
PUL2012	Single	0.356 mil (0.014")
PUL0612DC	Dual	0.203 mil (0.008")
PUL0812DC	Dual	0.254 mil (0.010")
PUL1212DC	Dual	0.356 mil (0.014")

④ ① 3M™ Paint Replacement (Blackout) Films

- Specially designed for post-paint pillar, sash and body trim blackout applications to eliminate a secondary paint process.
- Available in high or low gloss.
- Can help provide systems cost savings in the OEM Paint Shop.
- Comply™ Adhesive Performance eliminates air entrapment during application for improved appearance and reduced application time. Application is less operator dependent.
- Orders of these products are generally customized in terms of shapes and sizes. Please contact your 3M representative to place an order or get additional product/application information.



Product Number	Gloss	Clear Coat	Thickness
FUS1007	Low 30±5	No	5.5 mil (1138 microns)
FUS1008J	High 80±5	Yes	6 mil (150 microns)

Other constructions are available to meet specific OEM requirements.

④ ① 3M™ Heavy Duty Paint Replacement (Blackout) Films

- Tough and rubberized films.
- Provide stone impact resistance protection for lower-body areas.
- Unique combination of a 10mils thermoplastic, black, rubber-based film and 2-mil vinyl film, offering lasting protection and customized designs.
- High-performance, pressure-sensitive adhesive provides excellent adhesion to OEM paints to help prevent costly field failures.
- Custom die-cut parts can save time and money during application.
- Ease of removal enables cost-efficient field repairs.
- Film thickness provides sound dampening on metals for greater customer satisfaction.
- Orders of these products are generally customized in terms of shapes, sizes and quantities. Please contact your 3M representative to place an order or get additional product/application information.

Product Number	Gloss	Clear Coat	Thickness
PB-2156	Low 20±5	No	13 mil (325 microns)

④ ① 3M™ Textured Paint Replacement (Blackout) Films

- Used in a wide range of interior and exterior applications such as window frames, pillars, dashboards and window extensions.
- Textured, matte black surface.
- Highly conformable and scratch resistant.
- Excellent weathering performance.
- Adhesive provides a reliable bond under environmental stress such as changing temperatures or elevated humidity.
- Highly durable construction meets OEM specifications.
- Allows for advanced application and converting techniques and conformability to complex shapes and wraparounds.
- Comply™ Adhesive Performance eliminates air entrapment during application for improved appearance and reduced tact time. Application is less operator dependent.
- Orders of these products are generally customized in terms of shapes, sizes and quantities. Please contact your 3M representative to place an order or get additional product/application information.

Product Number	Gloss	Clear Coat	Thickness
DCBI-477*	Medium: 30±5	No	7 mil (175 microns)
F-777	Medium: 30±5	No	7 mil (175 microns)

*Not available with Comply™ Adhesive Performance.

Paint	① Pre-Treatment	② Sealer	③ Primer	④ Top Coat	⑤ Finesse Deck	⑥ Re-Process
General Assembly	① Trim & Assembly	② Re-Process				

Protective, Decorative & Reflective Products

Protective Tape

How to use this Selection Guide

The 3M Protective Tape Products Selection Guide is a quick reference to help the user select appropriate tapes for consideration and evaluation in their applications. Products are color-coded by product family for easy reference.

Please remember, many factors can affect the use and performance of a 3M™ Protective Tape Product in a particular application:

- Surface texture of substrate.
- Surface preparation of substrate (including use of solvents).
- Method and conditions of tape application.
- Time and environmental conditions.
- Storage conditions.

It is essential that the user evaluate the 3M™ Protective Tape Product to determine whether it is suitable for a particular purpose to meet the user's expectation.

Tape Number Identification Guide

Film Thickness
(nominal thickness in mils)
Exception: 25A10-25 = 2.5mils.

Film Color
B – Blue
C – Clear
W – White
X – Black/White
No Letter – Clear

3W26X

Film Type
1 – LDPE
4 – Polypropylene
6 – Polyester
A – Co-Extruded PE
E – Co-Extruded PE
(Carpet Tape Only)
U – Translucent UV Stable Film
W – Co-Extruded PE - Black/White

Adhesive Type
Adhesives: 04, 05, 10
12, 14, 23, 42, 73
25, 26, 29, 43, 56, 58
67, 79, 82, 87, 88, 89
93EZ, 95EZ
Tack Level:
Very Low = VL
Low = L
Moderate = M
High = H
Very High = VH

		2mils (0,05mm)				2.5mils (0,06mm)	
Product Number (Color Coded by Tape Family)		24S56W	2A12	2E93/EZ	2E95/EZ	25A29	25A88
	Backing	PP	Co-Ex.	PE	PE	Co-Ex.	Co-Ex.
	Tack Level	M	L	VH	VH	M	H
①	Coated- Steel or Aluminum						
Embossed	Flat						
	Gloss						
	Matte						
	Dissimilar Metals						
	Automotive Paint Clear Coat						
Purple Glass	LCD Screens						
	Mirrors						
①	Plastics						
Molded	ABS (Matte Finish)						
	Acrylic (Smooth Finish)						
	Injection Molded (Gloss)						
	Polycarbonate (Gloss)						
Sheeting	Acrylic						
	HDPE (Matte)						
	Polished Polycarbonate						
	Polyester						
Laminates	Gloss						
	Matte						
	Solid Surface						
①	Flooring						
Carpeting Low Pile	Treated						
①	Other						
	Decals/Pinstriping/Vinyl						

* Tack Level: VL = Very Low, L = Low, M = Moderate, H = High, VH = Very High

** FR = Fire Retardant

Note: Due to variations in surface texture and paint/coating formulations, it is especially important that the user evaluate the tape in these applications to determine whether the tape is suitable for a particular purpose and for the user's method of application.

Important Notice: 3M™ Protective Tape Products, except those designed for use outdoors, should not be exposed to direct sunlight for extended periods either during storage or while on the substrate. Exposure to ultraviolet light may cause tape to discolor or fail.

Protective, Decorative & Reflective Products

Exterior Protection

3M™ Protective Tape – Exteriors

- Helps protect and keep exterior parts free of damage and dirt in plant, in transit and customer process.
- Use for protection of spoilers, fascia, mirrors, external badging and painted plastic parts.
- Special UV films available (UV generally required)
- Clean removal adhesives in a variety of tack levels.
- Cross perforations, center perforations available.



Surface/Application	Product
Available in custom widths up to 72 inches; custom roll lengths.	
Transit	24S56W – up to 64"
	44S56W – up to 60"
	64S58W – up to 48"
In-Plant Mutilation	5126C
	5187C

For assistance call: 1-800-241-2031



Protective Tape for Painted Metals, Plastic Surfaces and Automotive Clearcoat Paint Finishes

Interior Protection

3M™ Protective Tape – Interiors

- Helps provide and keep interior parts free of damage and dirt in plant, in transit and customer process.
- Door panels, instrument panels, consoles, carpet, head liners, plastic or fabric parts.
- 2mils to 8mils polyethylene tapes.
- Special co-extruded "A" films available with great conformability, enhanced abrasion, puncture resistance and good heat resistance.
- Clean removal adhesives in variety of tack levels.
- Special UV films available.
- Cross perforations, center perforations available.

Surface/Application	Product
Available in custom widths and in roll lengths up to 5000 feet.	
Brushed Plastic	25A29C, 25A88C – up to 72"
Textured Rigid Plastic	3179C, 3195EZ, 4193CEZ, 25A88, 4193 – up to 72"
Rigid Smooth Plastic, Glass	3110C, 3112C – up to 72"
High-Gloss Wood Laminated	24S56W – up to 64"
Carpet/Fabrics/Headliners	2E95/EZ – up to 63"

For assistance call: 1-800-241-2031



Speaker Cover

Trim Cover

Kick Plate

Center Pillar Cover



Door Trim Cover

Protective, Decorative & Reflective Products

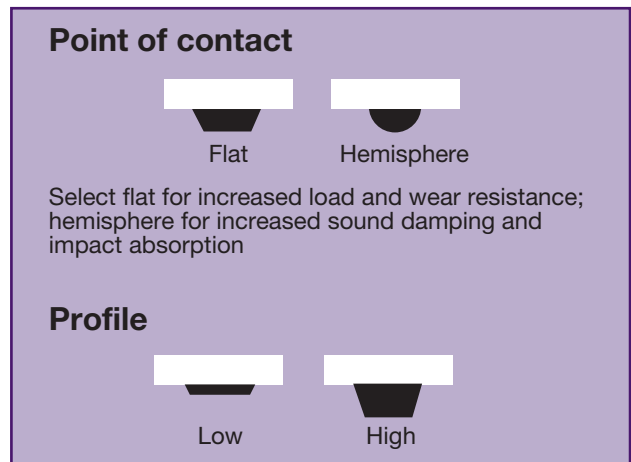
Bumpon™ Protectors

① 3M™ Bumpon™ Protective Products in Blister Packs

- Just peel and apply—no screw holes, no glue mess, no drying time needed.
- Stick to metal, wood, plastic, wallboard and more.
- Resist marring and staining of surfaces.
- Provide excellent skid and abrasion resistance.
- Multiple shapes, profiles and colors for design flexibility.
- Less than bulk pack count on hang card with bar code.

Applications

- Stop noise and vibration when opening and closing compartment panels.
- Protect electronics and equipment from vibration and skidding; protect desktops and other surfaces from scratches.
- Help stop buzz, squeak and rattle.
- Maintain gap between electronic equipment and other surfaces for venting or stabilization.



① 3M™ Bumpon™ Protective Product—Concave—Black

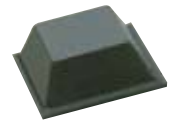
- Concave top provides good load bearing.
- Non-slip spacers for medical tabletops, electronic assemblies or lids.
- Non-slip spacers for seat assembly supports or fold down device support.
- Protect delicate circuit boards from vibration and heat buildup.



UPC Number	ID	Size	Qty/Case
021200-18434-5	SJ5009	0.88" x 0.4"	1,000

① 3M™ Bumpon™ Protective Product—Square

- Strong, stop noise and vibration on all types of panels and openings.
- Self-sticking non-slip polyurethane with long lasting adhesive.



UPC Number	ID	Color	Size	Qty/Case
021200-67388-7	SJ5023	Black	0.81" x 0.3"	1,000
021200-67468-6	SJ5023	Gray	0.81" x 0.3"	1,000
021200-67392-4	SJ5023	White	0.81" x 0.3"	1,000
021200-18469-7	SJ5514	Black	0.81" x 0.52"	1,000

① 3M™ Bumpon™ Protective Product—Cylindrical

- Rubber adhesive backed polyurethane bumper.
- Most versatile cylindrical product.



UPC Number	ID	Color	Size	Qty/Case
021200-23272-5	SJ5012	Brown	0.5" x 0.14"	1,000
021200-23269-5	SJ5312	Clear	0.5" x 0.14"	4,000

① 3M™ Bumpon™ Resilient Rollstock—Black

- Pressure sensitive acrylic rubber or synthetic rubber backed.
- Excellent skid resistance, cushioning and abrasion resistance.
- Many other varieties available.

UPC Number	ID	Size	Qty/Case
021200-67555-3	SJ5808	4-1/2" x 36 yds.	1
021200-67556-0	SJ5816	4-1/2" x 36 yds.	1
021200-67558-4	SJ5832	4-1/2" x 72 yds.	1

① 3M™ Bumpon™ Protective Product—Hemispheric

- Hemispheric shape great for absorbing impact.
- Non-slip feet or spacers useful for circuit boards, delicate electronics or equipment that might be exposed to bumps or vibration.



UPC Number	ID	Color	Size	Qty/Case
021200-23270-1	SJ5303	Clear	0.20" x 0.44"	1,000
021200-18456-7	SJ5027	Black	0.63" x 0.31"	1,000

www.3M.com/bumpon

Protective, Decorative & Reflective Products

Reflective Products

② 3M™ High Visibility ②④ Reflective Safety Strips

- Responds to the need for improved safety with 2" wide strips of an alternating red and white (silver) reflective tape.
- Constructed of 3M™ Diamond Grade™ Conspicuity Sheeting Series 983.
- Expected performance life of at least seven years.
- All material is edge sealed.



UPC Number	Color	Size	Qty/Case
051131-03461-7	Alternating Red/White	2" x 18" (2 Strips)	24
051131-03462-4	Alternating Red/White	2" x 18" (4 strips)	24
051131-03463-1	Alternating Red/White	2" x 12" (2-pack)	24

② 3M™ Scotchlite™ ②④ Reflective Tape

- Safety/identification tape for highest night time reflective brightness.



UPC Number	Color	Size	Qty/Case
051131-03455-6	Silver	1" x 36"	24
051131-03456-3	Silver	2" x 36"	24
051131-03458-7	Red	1" x 36"	24
051131-03459-4	Red	2" x 36"	24

① 3M™ Diamond Grade™ ②④ Conspicuity Discs

- 3" diameter discs are pressure-sensitive.
- Complies with FMVSS Safety Standard 108 with conspicuity systems.
- Expected performance life of at least seven years.

UPC Number	Description	Color	Discs/ Pkg	Pkg/ Case
Series 3990—3" PSA Discs				
051138-22058-7	DGYC-3	Yellow	25	1
051138-22059-4	DGRC-3	Red	25	1
051138-22060-0	DGSC-3	White	25	1

①② 3M™ Diamond Grade™ ②④ Conspicuity Markings

- Designed to mark the side and rear perimeter of trucks and trailers for enhanced visibility and detection.
- "Kiss Cut" rolls are conventional roll stock where sheeting is cut through to the liner for easy application.
- Complies with Federal Motor Vehicle Safety Standard 108, and is certified DOT-C2.
- Expected performance life of at least seven years.
- All material is edge sealed.



UPC Number	Description	Color	Rolls/Case
Series 983—Rolls			
1-1/2" x 150'			
051138-67764-0	983-32 ES	Red 11" White 7"	1
2" x 150'			
051138-67533-2	983-32 ES	Red 11" White 7" Alternating	1
051138-67535-6	983-326 ES	Red 6" White 6"	1
051138-67537-0	983-10 ES	White	1
051138-67636-0	983-32 ES	Red 11" White 7"	1
	Kiss Cut 2" x 18"	Alternating	
051138-67639-1	983-10 ES	White	1
	Kiss Cut 2" x 12"		
051135-31031-1	983-326 ES	Red/White	1
	Kiss Cut 2" x 12"		
051135-31015-1	983-326 ES	Red/White	6
	Kiss Cut 2" x 24"		
051138-67816-6	983-72 ES	Red	1
3" x 150'			
051138-67823-4	983-72 ES	Red	1
051138-67827-2	983-10 ES	White	1
051138-67828-9	983-32 ES	Red 11"	1
		White 7"	
4" x 150'			
051138-67824-1	983-72 ES	Red	1
051138-67825-8	983-32 ES	Red 11" White 7"	1
051138-67826-5	983-10 ES	White	1
051135-16242-2	985-10 ES	White	1
Series 983—Strips			
051138-67635-3	983-32 ES 18" x 2"	Red 11" White 7" Alternating	1
051138-67638-4	983-10 ES 12" x 2"	White	1
051135-31019-9	983-326 ES 2" x 12"	Red 6" White 6"	6

Protective, Decorative & Reflective Products

Reflective Products (cont.)

① 3M™ Diamond Grade™
②④ Auto Reflective Trailer
Marking Kit 983

- DOT-C2 Certified.
- Exceeds NHTSA requirements.
- Highly reflective, even up to a 90° angle.
- Quick and easy to apply.



UPC Number	Kit Includes	Kits/Case
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Marks one vehicle up to 53 feet

051138-67714-5	36—2" x 18" red and white reflective strips 4—2" x 12" white reflective strips 1—2" x 90" red and white reflective strip 1—1-1/2" x 90" red and white reflective strip Application instructions and squeegee	1
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Marks one vehicle up to 48 feet

051138-67715-2	32—2" x 18" red and white reflective strips 4—2" x 12" white reflective strips 1—2" x 90" red and white reflective strip 1—1-1/2" x 90" red and white reflective strip Application instructions and squeegee	1
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Marks one vehicle up to 28 feet

051138-67716-9	19—2" x 18" red and white reflective strips 4—2" x 12" white reflective strips 1—2" x 90" red and white reflective strip 1—1-1/2" x 90" red and white reflective strip Application instructions and squeegee	1
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UPC Number	Color	Roll Size	Kits/Case
051131-06398-3	Alternating Red/White	2" x 25 yds.	1
051131-06399-0	Alternating Red/White	2" x 50 yds.	1

Stripe Removal Discs

② Scotch-Brite™ Large Area
Stripe Removal (LASR)
Disc Assembly

- 8" diameter, 16 layer version of the existing 3M™ Molding Adhesive and Stripe Removal Disc.
- Quickly removes vinyl stripes and graphics and their adhesive without damaging gelcoat or paint.
- Designed to be used with a variable speed buffer with a 1,500–3,000 RPM speed range.
- Attaching a Scotch-Brite™ LASR Adaptor is all that is necessary to convert your 5/8" – 11 shaft to accommodate the LASR Disc Assembly.
- Approved tool: Black and Decker Buffmaster #6138.



Part Number	Size	Each/Case
051131-07517-7	8" x 5/8"	1

② Scotch-Brite™ Molding
Adhesive and Roloc™+
Stripe Removal Disc

- Vinyl, non-abrasive material designed to remove vinyl stripes, numbers, letters and graphics from gelcoat and painted surfaces without damaging the finish.
- Required 4000 RPM tool.



Part Number	Size	Billing Units/Case
051131-07501-6	4" x 3/8"	5
051131-07502-3	6" x 3/8"	5

② 3M™ Stripe Off Wheel

- Use to remove vinyl decals, striping tapes and double-sided foam attachment tapes.
- Will not scratch or damage acrylic enamel or urethane paint.
- NOT for use on lacquer coatings.
- Designed to be used with common 3/8" pneumatic and electric tools with a 500–4000 RPM speed range.
- Optimum performance achieved around 2000 RPM, plus or minus 200 RPM.



UPC Number	Description	Qty/Case
051131-07498-9	Includes attachment hardware (3/8" mandrel)	5
051131-07499-6	Does not include hardware	5

General Assembly	① Trim & Assembly	② Re-Process		
General Use	① Maintenance	② Safety	③ Personal Care	④ Facility Management

Protective, Decorative & Reflective Products

Accessories

② 3M™ Roloc™+ Holder

- Durable plastic .
- Use with all Roloc+ products including 1/4" steel shank.
- Allows easy use to portable tools.



UPC Number	Size	Billing Units/ Case
051131-07500-9	1" Dia. x 1/4" Shank	1

② 3M™ Scotchcal™ Color Card

- 3M™ Scotchcal™ Color Card and Color/Pattern Availability Chart.
- Current 3M™ Scotchcal™ Color Card shipped automatically.



UPC Number	Qty/Set
051141-83005-6	10

①② 3M™ Squeegees

- Designed to assist in the proper application of 3M™ Scotchcal™ Automotive Films.



UPC Number	Description	Qty/Set
051141-71601-5	Blue application squeegee	5
051141-71602-2	Gold application squeegee	5
051141-71607-7	Orange application squeegee recommended for paint protection film application	1

①② 3M™ Low-Friction Sleeve

- Designed to assist in the proper application of 3M™ Scotchcal™ Automotive Films.
- Allows for smoother squeegee movement across film and vehicle surface.
- Fits over blue and gold squeegees. (PNs 71601 and 71602).



UPC Number	Color	Qty/Set
051141-71603-9	White	5

② 3M™ Side Molding and Emblem Removal Tool

- NOT to be used with an air chisel to remove bonded moldings.
- Use by hand to remove emblems/scripts.



UPC Number	Qty/Case
051135-08978-1	6

①② 3M™ Air Release Tool

- Designed to assist in the proper application of 3M™ Scotchcal™ Automotive Graphics, Roll Goods and 3M™ Paint Protection Film.
- "Pen-like" tool to remove trapped air from under the surface of the graphic or paint protection film.



UPC Number	Description	Qty/Set
051141-71608-6	1 tool, 1 replacement tip	1
051141-71609-1	replacement tips	5