



Solutions for Specialty Trailers



Backed by 20 years of experience, 3M is a resource to help you build better trailers. 3M provides a range of products from bonding to reflectivity, services from design consultation through post-production, and solutions such as smooth sides and quieter rides.



Grinding



3M™ Cubitron™ abrasive grain is a ceramic mineral that sharpens as it wears due to its unique micro



structure. These sharp cutting edges result in high cut rates, long life and amazing consistency. 3M patented Cubitron™ outperforms all conventional materials for fracture toughness and durability. Cubitron™ products last so long you should see a significant reduction in the number of discs, belts or wheels you use.



3M™ GREEN CORPS™ FLEXIBLE GRINDING WHEELS

Formulated with 3M™ Cubitron™ abrasive grain, these wheels offer a fast cut with less vibration and reduced operator fatigue. Leaves a smooth finish, eliminating several process steps. Applications include general maintenance, weld and flame-cut grinding and descaling. Also available with a threaded hub for easy disc change. Do not use with tools without guards.



3M™ FLAP DISCS

A fast cutting disc with exceptionally long life. Off hand grinding and finishing of metals; provides a consistent rate of cut for superior finish; provides long-life performance; lower cost.

747D Cubitron™ Abrasive Grain (Type 27) Premium ceramic mineral provides exceptional cut and life on the hardest metals, such as stainless steel, titanium, and high nickel alloys. With a grinding aid for cooler running.

563D Alumina Zirconia (Type 29) Fast cutting disc with exceptionally long life. Angled for much better surface coverage. Works great on a wide variety of metals, including carbon steel. Also available in a quick-change threaded disc.



3M™ COATED ABRASIVE GREEN CORPS™ CUT-OFF WHEEL

Green Corps™ Cut-Off Wheels incorporate 3M™ patented Cubitron™ abrasive grain, and advanced ceramic aluminum oxide material. They provide high cut rates and long life on most materials, including fiberglass, stainless steel, and mild steel. Do not use with tools without guards.

3M™ FIBRE DISCS

- All-purpose, high-performance grinding disc that is long lasting and fast cutting.
- For heavy grinding, weld removal and blending.

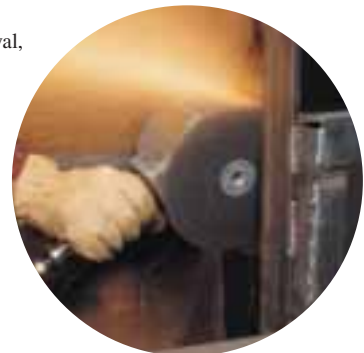


281C (Aluminum Oxide) General Purpose disc for weld removal, grinding and blending.

501C (Alumina Zirconia) Fast cut rate with a grinding aid which reduces heat buildup that can cause premature abrasive wear and part discoloration. Cool grinding on all metals.

785C (3M™ Cubitron™ Abrasive Grain) 3M's most aggressive mineral and a grinding aid make this the right choice for stainless steel.

988C (3M™ Cubitron™ Abrasive Grain) With greatly increased cutting power, these discs make light work of heavy duty jobs like MIG weld grinding.



DISC PAD FACE PLATES, HUBS AND RETAINER NUTS

3M™ Disc Pad Face Plates and Hubs are lightweight, have excellent balance, and low profile for better grinding and finishing control. Full size plates give firm support to disc edge and are tapered to fit the disc shape to minimize flare and wild scratches. Nuts have 5/8" - 11 threaded arbor hole in three depths to accommodate grinder shaft lengths (3/8", 1/2" & 5/8"). This system can result in long-term savings in parts and changeover time.



Panel Bonding

CONTACT YOUR 3M SALES SPECIALIST FOR ASSISTANCE



SCOTCH-BRITE™ CLEAN AND STRIP XT DISC

The purple* XT discs can be used singly or ganged onto a spindle and used on edge. Their extra coarse open web is designed to handle tough cleaning and stripping jobs, faster and safer than wire brushes. XT is the most durable version of Clean and Strip.

* The purple color is a trademark of 3M.



3M™ VHB™ TAPE 4611

0.045 in. (1.1mm) Dark gray pressure sensitive adhesive tape. Closed-cell, all acrylic construction. Good for bonding metals and other high surface energy materials. High temperature resistance. UL 746C recognition.



3M™ TAPE PRIMERS

Tape and adhesives adhesion promoter.



3M™ VHB™ TAPES

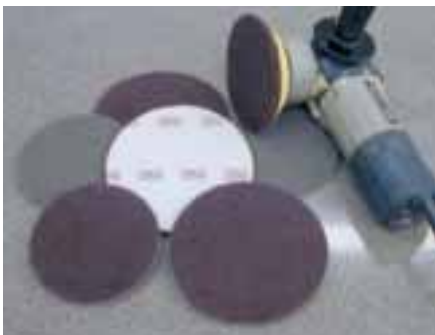
See product information below.

3M™ VHB™ TAPE 4941

0.045in. (1.1mm) Gray pressure sensitive adhesive tape. Closed-cell all acrylic construction. Conformable. Good adhesion to many painted metals and some plastics. Plasticizer resistant. UL 746C recognition.

3M™ VHB™ TAPE 5952.

0.045 in. (1.1mm) Dark gray pressure sensitive adhesive tape. Closed-cell all acrylic construction. Conformable. Good adhesion to many painted surfaces, including powder coated, and many plastics. UL746C recognition.



SCOTCH-BRITE™ HOOKIT™ DISCS

Cleaning and finishing of solid, painted, and metal surfaces.

SCOTCH-BRITE™ HAND PAD 7447

For cleaning and scuffing surfaces.



Protecting

PROTECTIVE TAPES

3M offers a line of tapes to help temporarily protect your product from scratching, marring and chipping. We offer rugged 2-5 mil products for temporary protection to help prevent damage to your surface. Most protective tapes have an acrylic adhesive for easy and clean removal.



3M™ POLYURETHANE PROTECTIVE TAPES

3M™ Polyurethane Protective Tape resists punctures, tearing, and abrasion. It is formulated for outdoor use and long-term resistance to UV light. Application is fast and easy. Excellent protection from sand erosion and minor rock impact.

8666 - Clear coated transparent film for stain resistance. 9 mil thick.

8671 - Glossy white and 14 mil thick.

8672 - Glossy black and 8 mil thick.

8673 - Transparent and 14 mil thick.

8674 - Transparent and 8 mil thick.



3M™ BUMPON™ PROTECTIVE PRODUCTS

Bumpons™ are pressure sensitive adhesive-backed polyurethane products that can be used as feet, stops, spacers and protectors in many applications, including cabinetry. They stick and stay in place.



3M™ VINYL TAPE 471

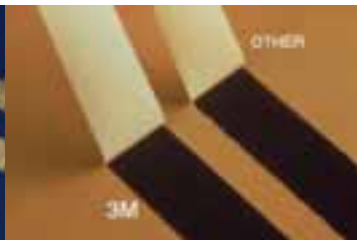
Vinyl Tape 471 is available in 10 colors including transparent for use in applications requiring high conformability. This 5 mil (0.125 mm) product has a vinyl backing with a rubber adhesive.

MASKING TAPES

3M offers a complete family of both crepe and fine line masking tapes for the industrial and consumer markets.

3M™ Fine Line Tape 4737S/4737T offer best in class performance on sharp curves in bake cycles up to 325F (163C).

218 Tape is a heavy-duty work horse for long, straight lines on flat surfaces in temperatures up to 250F (121C).



Balanced construction also means 3M masking tapes conform to compound surfaces and around curves without tearing the backing.

Some masking tapes can leave a ragged, poorly developed paint edge that usually requires rework.

With 3M masking tapes, removal is less work because the tape doesn't come off the work surface or the roll in strips or pieces.

Adhesive transfer can cause problems when removing the tape. The balanced construction of 3M masking tapes promotes easy, one-piece removal with excellent adhesive transfer resistance.

Bonding and Attaching



FLEXIBLE ADHESIVES

If you're looking for a reliable, non-structural adhesive, you're likely to find just what you need in the 3M™ Scotch-Grip™ and Fastbond™ Adhesives lines backed with more than 50 years of 3M research and engineering.

Water-based pioneer 3M™ Fastbond™ Contact Adhesive 30NF – proven for almost 40 years and compliant with the South Coast AQMD Rule 1168 VOC limits. Plus, there's the latest innovation – 3M™ Fastbond™ Contact Adhesive 2000NF with handling speed exceeding most solvent-based systems and up to 350 psi in overlap shear.



STRUCTURAL ADHESIVES

Load-bearing formulations for metals, rubber, glass and more. As an alternative to mechanical or fusion fastening, the reasons for 3M™ Scotch-Weld™ Adhesives are many: greater design latitude, cleaner lines, material substitution, lighter weight, more durability, and often less cost. There are formulations for bonding steel, aluminum, copper, rubber, glass, masonry, low surface energy plastics and more.

Whatever properties you need – durable adhesion, flexibility, creep resistance, heat and environmental resistance, void-filling – you'll likely find a 3M™ Scotch-Weld™ product to meet your requirements. There are formulations for bonding steel, aluminum, copper, rubber, glass, masonry, low surface energy plastics, and more. All easily dispensed and applied from the 3M EPX Applicator system!



3M™ DUAL LOCK™

3M™ Dual Lock™ Reclosable Fasteners invisibly attach panels and many other frequently moved parts. When the mushroom-shaped stems interlock, tensile strength is high enough to replace mechanical fasteners in many applications. Yet, you can readily open and close Dual Lock fasteners hundreds of times. Select either plain-backed or adhesive-backed versions.

Heavy duty reclosable fasteners - window reveal, main door seal, cockpit windshield seal, interior trim panels.

Kickplate panel attachment, selected floor panel attachment and close out seals identified across commercial fleet.



3M™ SCOTCH-SEAL™ POLYURETHANE ADHESIVE SEALANTS

3M™ Scotch-Seal™ Polyurethane Adhesive Sealants are one component, moisture curing products which form permanently elastic adhesive bonds. Meets ASTM E162 and E662, "smoke and flame" requirements for the rail business.

3M™ HI-STRENGTH 90 SPRAY ADHESIVE

Adheres trim and decorative trim, such as polyethylene and polypropylene, to wood, metal and more. This adhesive is permanent, with high contact strength and a one-minute dry time. Resistant to temperatures up to 160°F (71°C). Each 17.6 oz. can covers approximately 100 square feet. Meets current California Air Resource Board aerosol adhesive VOC limits.



Other 3M Products



3M™ SAFETY-WALK™ MEDIUM RESILIENT

Features a resilient non-mineral slip-resistant material. Reverse side is coated with pressure-sensitive adhesive covered by a removable protective liner.

Soft surface is suitable for bare feet. For locker rooms and recreational/ athletic equipment, boats and docks, interior stairwells, entryways and lobbies. Available in custom sizes and colors, and with custom adhesives.



3M™ SCOTCHLOK™ ELECTRICAL IDC

3M™ Scotchlok™ 560 Electrical IDC Double Run or Tap is flame retardant and electrically connects a (tap) wire end to a through (run) wire and insulates the connection. It has an AWG range of 18-16 (0,75-1,5) solid/stranded, 14 (1,5) stranded.



SCOTCH® 70

Self-Fusing Silicone Rubber Electrical Tape is used as a protective overwrap for terminating high voltage cables.



3M™ CONSPICUITY MARKINGS

Meets or exceeds all FMVSS 108 requirements, including the DOT-C2 certification mark. Reflective at wide angles, to almost 90 degrees from perpendicular. Aggressive pressure sensitive adhesive. Easy to remove liner. Pre-sealed edges.

3M™ SERIES 983 DIAMOND GRADE™ CONSPICUITY MARKINGS

Highly reflective microprismatic lens sheeting with pressure sensitive adhesive for application to sides and rear of the large trucks, trailers, and other vehicles to increase their visibility, especially when the vehicle is turning or crossing roadways. Full 7 year warranty.



3M™ SERIES 985 CONSPICUITY MARKINGS

3M™ Diamond Grade™ Conspicuity Marking Series 985 is highly durable, highly reflective, highly conformable marking with pressure sensitive adhesive for easy application to flat vehicle surfaces to increase visibility and detection. Corrosion-resistant, metallized construction. Full 7 year warranty.



3M™ DIAMOND GRADE™ REFLECTORS, SERIES 988

- Reflectivity and Angularity – Meets and exceeds DOT and SAE A requirements for reflectors. Superior angularity – beyond 60°.
- Peel off liner – Easy to remove liner for easy application.
- Low Profile – Can't be knocked off like molded reflectors.
- Warranty – 7 year warranty.
- Economical – Reduced labor costs. Easy installation.



3M™ UNDERSEAL™ RUBBERIZED UNDERCOATING 08883

Rapid drying, paintable, rubberized undercoating material for rust-proofing and sound deadening. Ideal for coating fenders, quarter panels, door panels, repaired sections, welded joints, hoods, and decks. Not for sale or use in California.



3M™ PPS™ PAINT PREPARATION SYSTEM

Replaces traditional paint mixing cups and filters and drastically reduces the amount of solvent required for gun cleaning. 3M™ PPS will save time, materials and money in most painting applications.



3M™ SHARPSHOOTER™ CLEANERS

This no-rinse cleaner removes tough stains such as grease, lipstick, crayon, black heel marks, pencil marks and smoke film from most washable hard surfaces.



3M™ UNDERCOATING 08881

Multi-purpose, low cost, rubberized aerosol undercoating. Specifically used for undercarriages, wheel wells, frame rails, and fenders. Designed to protect metal from corrosion and abrasion and can also be used as a sound dampening coating for door skins. Not for sale or use in California.



3M™ PREP SOLVENT-70

3M™ Prep Solvent 70 is a low VOC, water based solvent used to remove oils, wax, grease, and silicone from surfaces prior to coating. Available in one gallon bottle and a 16 oz spray applicator.



3M™ CITRUS BASED CLEANER

A liquid cleaner/degreaser that can be used to dissolve and remove dirt, grease, tar, and many non-curing type adhesives. It can also be used to degrease substrates for adhesive bonding in place of many chlorinated or petroleum-based solvents. Can be used to degrease metal parts, motors, and tools.

Safety

IMPORTANT: All respirators must be used in accordance with their instructions, limitations, NIOSH certification and applicable OSHA standards. Failure to properly use respiratory protection products may result in sickness or death.

Half Facepiece Respirators

Organic Vapor/P95 Respirator Assemblies 5000 Series Disposable

NIOSH approved to help protect against certain organic vapors and particulates. Use for a variety of applications including spray painting and construction. Available in small (51P71), medium (52P71) and large (53P71).



3M™ Half Facepiece 7500 Series, Ultimate Reusable
Designed with the wearer in mind. Its soft sealing surface, along with a uniquely designed, 3M™ Cool Flow™ Exhalation Valve, enhances wearer comfort and face fit. Made from a durable silicone and can be used with the 3M™ 3M bayonet style filters and cartridges, Series 2000, 5000, 6000 and 7093. Available in small (7501), medium (7502) and large (7503).



3M™ Organic Vapor Cartridge 6001 Designed for use with 3M™ 6000 Series Half and Full Facepieces and 3M™ 7000 Series Half and Full Facepieces with bayonet style cartridge holders.



3M™ Particulate Filter 5P71 This filter is NIOSH-approved and provides protection against certain oil and non-oil containing aerosols. It can be used with 3M™ 5000 Series Respirators and 3M™ 6000 Series Cartridges with the 501 Filter Retainer.



3M™ Retainer 501 This retainer is used to hold 3M™ 5N11 and 5P71 Filters in place on 3M™ 5000 Series Respirators and 3M™ 6000 Series cartridges.



3M™ Organic Vapor Cartridge/Particulate P95 Filter R6022, Packout 5/Case Packout consists of 1 pair of 3M™ Organic Vapor Filter 6001 and 2 pair of 3M™ Organic Vapor Cartridge 5P71, P95.



3M™ Particulate Filter 2091, P100 This filter provides workers with versatile protection, exceptional filter efficiency, durability, economy and simplicity. 3M's Advanced Electret Media provides a lightweight and easy breathing combination.



3M™ Particulate Filter 2097 NIOSH approved for environments containing certain oil and non-oil based particles. Use with 3M™ Facepieces 6000 Series or 3M™ Facepieces 7000 Series with bayonet filter holders.

Particulate Respirators

3M™ Particulate Respirator 8210, N95

Reliable worker protection for grinding, sanding, sweeping, bagging and other dusty operations. Lightweight construction and adjustable noseclip that conforms easily to help provide a secure seal.



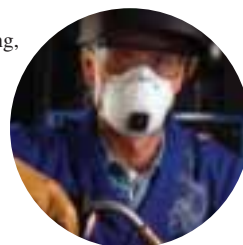
3M™ Particulate Respirator 8511, N95 with Exhalation Valve

Reliable worker protection for grinding, sanding, sweeping, bagging and other dusty operations. Lightweight construction that features 3M™ Cool Flow™ Exhalation Valve, offering easy exhalation for cool, dry comfort even in applications in which heat and humidity are present. Adjustable noseclip conforms easily to help provide a secure seal.



3M™ Particulate Respirator 8515

Workplace applications include welding, brazing, soldering, torch cutting, and metal pouring, as well as grinding, sanding, sweeping, bagging and other dusty/hot operations. It features the 3M™ Cool Flow™ Exhalation Valve, adjustable M-noseclip, and braided headband to help provide a custom fit and secure seal.



⚠ WARNING



These respirators help reduce exposure to certain airborne contaminants. **Misuse may result in sickness or death.** Before use, the wearer must read and understand User Instructions provided as a part of product packaging. Time use limitations may apply. For proper use, see supervisor or call 3M OH&ESD Technical Service in the U.S.A. 1-800-243-4630. In Canada, call 1-800-267-4414. **Important:** Before using these respirators, you must determine the following: 1) The type of contaminant(s) for which the respirator is being selected. 2) The concentration level of contaminant(s). 3) Whether the respirator can be properly fitted on the wearer's face. Do not use with beards, on other facial hair, or other conditions that prevent a good seal between the face and the faceseal of the respirator. 4) Before use of these respirators, a written respiratory protection program must be implemented, meeting all the requirements of OSHA 29 CFR 1910.134, including training, medical evaluation and fit testing.

Hearing Protection

*NOTE: Research suggests that the NRR may overestimate the protection printed by hearing providers during typical use. 3M recommends reducing the NRR by 50% for estimating the amount of noise reduction provided.

3M™ SOFT FOAM EAR PLUG 1120 UNCORDED AND 1130, CORDED

- Soft foam earplugs with a patented articulated shape for improved fit.
- New softer formulation for improved comfort.
- Can be combined with earmuffs for additional protection
- Soft braided cord (1130) for convenience.
- NRR* 28 dB.



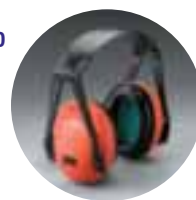
3M™ REUSABLE EAR PLUG 1260, UNCORDED AND 1270, CORDED

- Comfortable and dependable solution for hearing protection.
- Pre-molded for easy insertion into the ear without rolling.
- Reusable ear plugs come connected to a soft, braided cord (1270) so workers can remove and reinsert earplugs repeatedly during the workday.
- NRR* 24 dB.



3M™ GENERAL PURPOSE EAR MUFF 1435 AND REPLACEMENT PARTS KIT 1437

- Lightweight, comfortable.
- Ear cups help provide reliable protection. for everyday use.
- Wide forked headband for better fit.
- NRR* 23dB.



⚠ WARNING

These hearing protection products help prevent hearing loss against certain noises. To provide proper protection, the hearing protector should be (1) suitable for the job, (2) fitted properly in/on the ear, (3) worn during all times of exposure to noise, and (4) replaced when damages or otherwise necessary. **Failure to fit and use hearing protectors according to these instructions will reduce their effectiveness. Failure to wear hearing protectors 100% of the time that you are exposed to hazardous noise may dramatically increase your risk of developing hearing loss.** Keep ear plugs away from infants and small children. They may get caught in a child's windpipe.

Safety



3M™ Protective Eyewear

NOTE: These eyewear products offer limited protection against dust, particles and debris.

Designed for comfort as well as good looks. They have lightweight, wraparound frames with durable, hard-coated polycarbonate lenses. Products listed below meet the standard for Occupational & Educational Eye & Face Protection ANSI Z87.1-1989.

3M™ PROTECTIVE EYEWEAR 170X

- Lightweight, comfortable
- Low profile
- 1701 Smoke Frame & Lens, 1702 Clear Frame & Lens

3M™ PROTECTIVE EYEWEAR 1750/37113(AAD), GRAY FRAME, CLEAR LENS

Stylish safety eyewear with a contemporary appearance. Lightweight and shaped to fit facial contours. Comfortable fit afforded by gel-like nose piece and soft temples. Polycarbonate lens offers 99% UV protection, and has anti-scratch coating. Meets ANSI Z87.1-2003.

3M™ PROTECTIVE EYEWEAR 1751/37114(AAD), GRAY FRAME, SMOKE LENS

Stylish safety eyewear with a contemporary appearance. Lightweight and shaped to fit facial contours. Comfortable fit afforded by gel-like nose piece and soft temples. Polycarbonate lens offers 99% UV protection, and has anti-scratch coating. Meets ANSI Z87.1-2003.

3M™ PROTECTIVE EYEWEAR 1760/37116(AAD), CLEAR FRAME WITH CLEAR LENS

Stylish safety eyewear with a contemporary appearance. Lightweight and shaped to fit facial contours. Comfortable fit afforded by a soft rubber nose piece with rubber tips. Polycarbonate lens offers 99% UV protection, and has anti-scratch coating. Meets ANSI Z87.1-2003.

⚠ WARNING

3M™ Protective Eyewear Products help provide limited eye and face protection against flying particles. **Misuse or failure to follow warnings and instructions may result in serious personal injury, including blindness, or death.** For proper use, see supervisor, read instructions and warnings on the package, or call 3M Occupational Health and Environmental Safety Division (OH&ESD) Technical Service in the U.S.A. at 1-800-243-4630. In Canada, call 1-800-267-4414.

Product Use: All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

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Minimum 10% Post-consumer Fiber

Printed in U.S.A.

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