

















Assembly

FLOOR SYSTEM ASSEMBLY. FLOOR COVER BONDING

3M[™] Scotch-Weld[™] Epoxy Adhesive 7240





Highly durable two-part epoxy adhesive with high shear and peel adhesion designed to bond metal to metal. Certified for use on trains.

FLOOR SYSTEM ASSEMBLY. FLOOR PANEL BONDING

3M[™] Scotch-Weld[™] Epoxy Adhesive 7240







Highly durable two-part epoxy adhesive with high shear and peel adhesion designed to bond metal to metal. Certified for use on trains.

INTERIOR FITTINGS (WALL PANELS, CEILING PANELS)

3M[™] Scotch-Weld[™] Urethane Adhesive 6310





This is a green, non-sag, two-component urethane for bonding a variety of composites, plastics, metals and wood. This flexible adhesive has excellent elongation and stress strain properties for durable bonding of composite parts and multimaterial assemblies.

EXTERIOR SEALING

3M™ Adhesive Sealant 760 UV





High-strength, elastomeric sealant applications.
Excellent UV resistance and long term durability.
Paintable when wet.

3M[™] Adhesive Transfer Tape 9775WL







3M™ VHB™ GPH-160GF



Designed to create durable and reliable bonds for high temperatures and multi material bonding.





3M™ VHB™ Tape 5952



Excellent adhesion to most powder coated paints, metals, glass, sealed wood, acrylic, polycarbonate. ABS.





3M[™] Extreme Sealing Tape 4412



Professional seal over an existing joint or seam which can be exposed to direct sunlight, as well as temperature and humidity extremes.







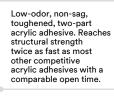


SMALL INTERIOR ATTACHMENT

3M[™] Low Odor Acrylic Adhesive DP8805NS







BUZZ, SQUEAK, & RATTLE REDUCTION (BSR)

3M[™] Damping Foil 2552



Constructed of a dead soft aluminum foil constraining layer and coated with a pressure sensitive, viscoelastic acrylic polymer adhesive. This unique construction provides the ability to control resonant vibrations in a variety of applications and across a broad spectrum of temperatures.



HEAT PROTECTION

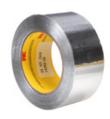
3M™ Aluminum Foil Tape 425



Designed for heat shielding, heat reflecting, chemical masking, light enhancement, chemical milling, seaming, sealing and depaint operations. Both indoor and outdoor.







WIRE HOLDING

3M™ Glass Cloth Tape 361



For high temperature applications such as sealing ducts and as a back-up strip for submerged arc welding.







3M™ VHB™ Tape GPH-110



Designed to create durable and reliable bonds for high temperatures and multi material bonding.





3M™ UHMW PE Film Tape 5425



Designed for applications requiring a low coefficient of friction and the movement of parts and/or materials.



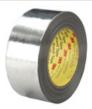


3M™ High Temp. Aluminum Foil/Glass Cloth Tape 363



Strong and flexible, consists of an aluminum foil, glass cloth backing combined with a pressure sensitive silicone adhesive. Ideal for use as a protective wrap for heat sensitive cables and other instruments exposed to movement and vibration.





3M[™] Low Odour Acrylic Adhesive DP8805NS









Low-Odour, non-sag, toughened, two-part acrylic adhesive. Reaches structural strength twice as fast as most other competitive acrylic adhesives with a comparable open time.

CUTTING

3M[™] Cubitron[™] II Cut-Off Wheel



Contains PSG to provide a fast cut and long life, for use on carbon and stainless steel.





WELD GRINDING AND BEVELING

3M[™] Cubitron[™] II Depressed Centre Grinding Wheel



Contains PSG to offer a fast cut and long lasting rigid bonded wheel, for use on stainless steel, mild steel, and aerospace alloys.





WELD REFINEMENT

3M[™] Scotch-Brite[™] Light Grinding and Blending Disc



Higher cut rate and durability from a ceramic blend abrasive grain for optimal weld grinding, blending and finishing – effectively blending and refining a grade 36 scratch, or finer.





LARGE WELD CLEANING - SPOT WELD CLEANING - WELD SPATTER REMOVAL

3M[™] Scotch-Brite[™] Shaft Mounted Bristle Disc



Remove paint, adhesives, rust, heavy oxides, clean weld burn and surface contaminants, efficiently cleaning and preparing and giving the surface a uniform finish.





WELD REMOVAL

3M[™] Cubitron[™] II Fibre Disc 982C



Featuring 3M PSG technology, offering durability, fast cut and long life when compared to conventional fibre discs.





SURFACE PREPARATION / PANEL REPAIR

3M[™] Cubitron[™] II Hookit[™] Clean Sanding Film Disc 775L



The multi-hole pattern on Clean Sanding products allows dust to be extracted at a higher rate compared to other hole patterns. Our film discs feature 3M PSG generating an extremely fast cut and long life.





3M[™] Cubitron[™] II Hookit[™] Film Disc 775L



Featuring 3M PSG which slices through metal rather than gouging or ploughing like traditional abrasives, the film backing has better tear resistance when compared to paper discs.





HIGHLIGHTING

3M™ Trizact™ 268XA Film Disc



Constructed of microreplicated pyramids containing micron graded minerals to deliver a consistent cut through the life of the disc.





E-COAT SANDING-FRP. SMC REPAIR. **PRIMER SANDING**

E-COAT SANDING-FRP. SMC REPAIR. PRIMER SANDING. **SURFACE BLENDING PREP**

WATER BASED ANTI-CHIP COATING APPLICATION

PRIMER SANDING BY HAND

SURFACE BLENDING PREP

3M™ Cubitron™ II Hookit™ Clean Sanding Film Disc 775L



The multi-hole pattern on Clean Sanding products allows dust to be extracted at a higher rate compared to other hole patterns. Our film discs feature 3M PSG generating an extremely fast cut and long life.



3M™ Elite Random **Orbital Sander Series**



Designed for maximum operator comfort and optimised to work with 3M™ Abrasives.





(FRP) - Fiber Reinforced Plastic / (SMC) - Sheet Moulding Compound

3M™ Water Based Anti-**Chip Coating**



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Textured water-based anti-chip and sound deadening coating. For underbody, wheel arches, front/rear valences, body sills, new parts and repaired panels. Fast overpaint ability with all usual paint systems, including water based paints and excellent

rust prevention properties. Weathering and corrosion resistant. and excellent flexibility.



3M™ Hookit™ Flexible **Abrasive Hand Sheet** 270J

or dry sanding.



Ideal for hand sanding applications including primer sanding, blend preparation and paint finishing with great cut and finish performance and high flexibility and conformability. Face-Side Color Differentiation by Process. Can be used for wet





3M™ Hookit™ Flexible **Abrasive Foam Disc**



Flexible foam backed abrasive which conforms to irregular surfaces and can be used wet or dry and by hand or machine for blending applications. Excellent dust and water control to ensure a clean sanding environment.

AIRBORNE







Solutions from 3M provide the perfect basis for painting and coating results.

SURFACE PROTECTION

3M™ Dirt Trap Protection Material



A specially engineered adhesive-backed white material designed to protect paint booth walls and floors, trap dust, dirt and overspray and brighten work areas.







3M™ Clear Masking Film









High density, clear polythene sheeting designed to protect the vehicle from paint overspray. No paint or primer flaking. Static cling ensures complete masking. Simple one-person application. Easy to cut.

3M™ High Performance **Industrial Masking Tape 401E**



High Performance Industrial Masking Tape designed for high-quality paint masking in the automotive industry and for the industrial market. Its temperature performance allows air-drying and oven-curing of paint up to a maximum of 140 °C for 1 hour.





3M™ Professional Panel Wipes



Non-woven, dry wipe designed for use in conjunction with a degreasing solvent in the preparation of panels. It can also be used for heavy duty cleaning and a wide variety of wiping applications within the shop. Excellent absorbency and

super strength when wet or dry. Dense structure. virtually no lint. 400 wipes per box.



3M™ Surface Protection Fabric



Temporary, conformable, faster and easier surface protection from water, oil, solvents and other fluids. Easy, one-step application. Clean removal from most surfaces. Provides a cleaner working







3M™ Surface Protection Fabric must not be used in any areas where explosive concentrations of ignitable materials could be present, as static discharge may

occur. These include areas identified as ATEX Zones 0.1.2 and 20, 21,22,

outdoor application.

environment. Indoor and

3M™ Precision Masking Tape



Engineered with an ultra-thin, exceptionally smooth paper backing, making it ideal for producing sharp, clean, precise paint lines when used with both solvent and waterborne paint systems. The tape is visibly





thinner, yet removes from surfaces without tearing or leaving adhesive residue behind.

3M™ Microfibre Detailing Cloth



Unique, super-soft micro-texture. Great for paint, chrome, glass, dashboards and more. Non-linting. Clear coat safe.







Another layer of confidence in industrial surface protection

PAINT APPLICATION SYSTEM

3M™ PPS™ Series 2.0 Kits





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3M's Cleanest Disposable Cup System: 3M™ PPS™ Series 2.0 is a complete disposable spray cup solution for mixing/ measuring, filtering, and spraying. Integrated locking collars on lids to help reduce paint build-up and possible contamination and re-useable hard cups feature clear windows to make refilling easier by grasping liner while removing lid.



3M™ Performance Spray Gun System



3M™ PPS™ Colour Check Light II Kit







Portable light designed to make colour matching and the refinish process faster and easier, providing near daylight conditions for colour matching, checking coverage and identifying post painting defects. Bodyshops can replicate daylight conditions all the year round, reducing the chance of costly rework caused by colour mismatch, poor coverage or metallic layout and helps identify post-paint defects such as swirl marks, holograms and burn through.

LAUNCHING 2020

The new 3M™ Performance Spray Gun System improves:







SMALL PAINT DEFECT REMOVAL

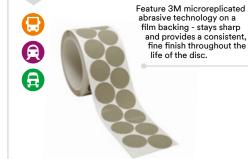
3M™ Elite Orbital Sander





3M™ De-nib tools are optimised to work with 3M™ Trizact™ abrasives for the sanding step of a 3M™ Finesse-it™ process.

3M™ Trizact™ Finesse-it™ Film Disc Roll 468LA



3M™ Random Orbital Buffer



Optimised to work with 3M™ Finesse-it™ foam pads and polishes for the polishing step of a 3M™ Finesse-it™ process.





3M™ Finesse-it™ Polish **Premium 300 Series**









Deliver rapid and consistent results when used with 3M™ Finesse-it™ foam pads.

LARGE PAINT DEFECT REMOVAL

3M™ Hookit™ Purple Finishing Film Abrasive Disc 260L



Used for scuffing the blend area before painting and removing dust nibs and excess orange peel from topcoats. Get a fast cut and long disc life with aluminium oxide abrasive. Available in a wide range of grades and hole configurations.





3M™ Trizact™ Hookit™ Foam **Abrasive Discs**



Foam disc with pyramidal structure used for removing and refining sanding scratches prior to using 3M™ Perfect-It™ Polishing System, reducing polishing time increasing productivity. Less reworking time. Uniform removal. Smooth, uniform and reproducible finish. Longer life and less soiling thanks to foam material. Always use moist, dust extraction switched off.



3M™ Perfect-It™ Fast Cut Plus **Extreme**





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New Generation of Compound with improved quality along with improved confidence in the scratch removal compounding step. Designed to be used with 3M green convoluted foam pads which heat the paint less. High gloss obtained even faster. Remove scratches faster. Excellent results on all paints. Minimal Sling.

3M™ Electric Polisher



Engineered to work hand-in-hand with the 3M™ compounds, pads and accessories. It's the right choice to make any job shine with an innovative body design that keeps the pad contamination-free and an impressive power to weight ratio for improved comfort and performance.





MASKING AND REPAIR

3M[™] General Purpose Conformable Duct Tape 2903







General maintenance, bundling, wrapping, attaching, sealing, and protecting.

ATTACHING AND MOUNTING

3M[™] VHB[™] High-Strength Bonding Tapes 5952









SURFACE CLEANING

3M™ Industrial Cleaner









Removes dirt, grease, tar, and many non-curing type adhesives.

3M[™] General Purpose Masking Tape 201E









Premium-quality masking tape used for short-term paint masking, fixing, bundling, holding, sealing, and other applications up to a temperature of 80°C for one hour.

3M™ Dual Lock™ Reclosable Fastener SJ3550





Super strength. Ultimate ease. Durable enough to last through repeated opening and closing.

3M™ Graffiti Stain Remover









Helps remove graffiti and other contaminants easily from the surfaces.

ELECTRICAL INSULATION

Scotch® Super 33+™ Vinyl Electrical Tape



Primary electrical insulation, harnessing, jacketing. Professional grade vinyl electrical tape flame-retardant, all-weather for cable splices. Designed to perform continuously between a temperature range of -18–105°C.





Scotch® Vinyl Electrical Tape 35



Vinyl Electrical Color Coding Tape 35 used in phase identification, color coding leads. Abrasion and weather-resistant, excellent mechanical & electrical insulation up to 600V.







SURFACE PREPARATION, CLEANING & FINISHING

Scotch-Brite[™] 7447 Pro Handpad



Superior alternative to steel wool, wire brushes, sandpaper, and other non-woven products for cleaning or finishing tasks.







Scotch-Brite[™] Shaft Mount Radial Bristle Brush BB-ZS



Shaft mounted for ease of use, ideal for cleaning and preparing even highly contoured surfaces.







3M™ Flap Disc 769F

BEVELLING,



Containing Precision-Shaped Grain delivers a high performance and versatility, cuts fast and lasts long when compared to conventional abrasive grain.





DEBURRING & GRINDING

Scotch-Brite™ Heavy Duty Hand Pad 7440



Aggressive, durable pad is an excellent choice for your heaviest cleaning, deburring and finishing applications.







3M[™] Scotch-Brite[™] Clean & Strip XT Pro Disc



Removes rust, paint, mill scale and coatings from metal surfaces. Available with fibre (XC-DB) and Rigid backed (XC-RD).







PAINT PREPARATION

3M™ Wetordry™ Paper Sheet 734













HAZARD





PHYSICAL DISTANCING Maintenance, Repair & Operations

INDUSTRIAL TAPES FOR MARKING

3M™ Vinyl Tape 471/5702



Reilable, highly visible, highly versatile marking tape for colour coding, floor and safety marking applications. Long-term high visibility.





3M™ Vinyl Tape 971



Engineered for heavy traffic and tough conditions such as scuffing from pallets and heavy equipment. Superior durability.





3M[™] Vinyl Tape 764



Cost-effective choice for a variey of hazard, color coding, floor and safety marking applications in light traffic. Economical lane and colour marking.







3M[™] Vinyl Tape 766/767



traffic areas.





Ideal for marking of equipment pinch points or gears for warning purposes and floor marking in light

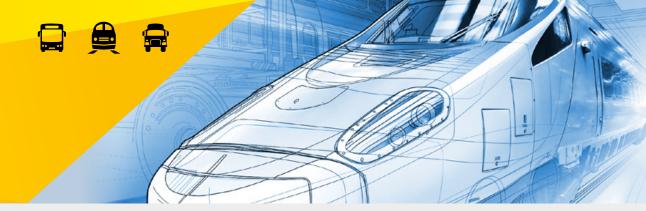
Economical safety marking.

3M™ INDUSTRIAL TAPES FOR MARKING Selection chart

FLOOR, WALL.

PRODUCT	PRODUCT NUMBER	COLOUR MARKING	OR LOADING DOCK MARKING	AREA MARKING	CLEAN REMOVAL	TRAFFIC AREAS	KEY FEATURES
20	471						Long-term high visibility and abrasion resistance
	971						Scuffing from pallets and heavy equipment, fork-lift traffic
	764						Economical lane and colour marking in noncritical applications
	766						Economical safety marking in noncritical applications
	767			<u> </u>			Economical safety marking in noncritical applications
	5702			<u> </u>	<u>\</u>		Long-term high visibility and abrasion resistance

Personal Safety Solutions



RESPIRATORY PROTECTION



3M™ Aura™ 9300+ Series **Disposable Respirators**

3M™ Aura™ 9300+ Series Disposable Respirators are the result of 3M's continuous drive to improve comfort. The Ingenious 3-panel design fits a wide range of face shapes and sizes, also helps accommodate greater facial movement during speech making the respirator so much more comfortable to wear.



3M™ Reusable Half Face Mask 6500 QL Series

Reusable respirator designed for tough and dirty work environments. Quick Latch Drop Down mechanism makes it easy to put on or take off.



3M™ Secure Click™ Half Mask Reusable Respirator, HF-800 Series

Designed with smart and intuitive features 3M™ Secure Click™ Half Mask Reusable Respirator is simple, comfortable and reliable. Coming with an optional speaking



3M™ Versaflo™ Headtops, M-Series

Feature lightweight, compact and well balanced industrial safety helmets that can offer integrated protection from a range of respiratory, eye, face and hearing hazards.

*To be used in combination with a 3M Versaflo Powered Air Respirator.



3M™ Versaflo™ **Hoods & Headcovers S-Series**

Head cover with integrated head suspension which provides head, face, neck and shoulder coverage as well as providing eve and face protection from liquid splash and low energy flying particles and dust.

*To be used in combination with a 3M Versaflo Powered Air Respirator.



WELDING PROTECTION





3M™ Adflo™ Powered Air Respirator (without belt, without charger). 3M™ Speedglas™ G5-01 Heavy-Duty Welding Helmet with Welding Filter G5-01VC, 611130

Get eye, face and respiratory protection (TH3 - NPF 500) with a flip-up welding filter optimized for the needs of heavy-duty welding but can be used for most welding



3M™ Versaflo™ Intrinsically Safe Powered Air Respirator TR-800 Starter Kit

3M™ Versaflo™ Intrinsically Safe Powered Air Turbo Starter Kit TR-819E is our handy kit that's approved to Zone O requirements and so may be suitable for areas where potentially explosive atmospheres are expected and permanent within normal operations.

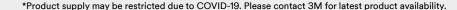




3M™ Versaflo™ Powered Air Respirator Starter Kits, TR-300+ Series

The Versaflo powered air system combines performance, protection and functionality with comfort. Powered Air Starter Kit TR-315UK+ contains TR-302E+ Turbo Unit, Particle Filter, Pre-Filter, Spark Arrestors, Standard Belt, High Capacity Battery, Battery Charger Kit and length adjusting Breathing Tube.





Personal Safety Solutions



EYE PROTECTION

3M[™] GoggleGear[™] Safety Goggles 500 Series

These goggles feature superior anti-fog and anti-scratch features, an easy-to-adjust textile headband and a pivoting ratchet for a comfortable fit.



3M[™] SecureFit[™] Safety Glasses 400X Series

Lightweight eye protection with premium coating options and a combined soft nose bridge and brow guard for additional comfort.



HEAD & FACE PROTECTION

3M[™] G500 Industrial Headgear Combination

Supplied with hearing protection and clear polycarbonate visor. A practical, convenient solution for face and hearing protection where no head protection is needed.



3M[™] First Base[™]+ Bump Cap

Designed to provide limited head protection from bumps and minor lacerations to the head from stationary objects.



HEARING PROTECTION

3M™ E-A-R™ Classic™ Earplugs, 28 dB

3M™ E-A-R™ Classic™ II Earplugs are the world's first foam earplug with 3M's proprietary technology providing comfortable, low pressure in the ear with 28 dB SNR. They remain one of the most popular models in the market today.



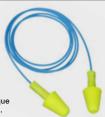
3M™ E-A-R™ Ultrafit™ Earplugs

Triple-flange design reusable earplugs that fit comfortably in most ears reducing noise levels by 32 dB and can be cleaned easily with soapy water and reused again and again – helping decrease waste.



3M[™] E-A-R[™] Flexible Fit Earplug

3M™ E-A-R™ Flexible Fit Earplug HA 328-1001 are our safety ear plugs made from a patented foam formulation which makes them fully washable and reusable. They feature soft foam tips and a flexible fitting stem for easy insertion using one or two hands. The foam tip conforms to the unique shape of the ear canal to help block out noise.



3M[™] PELTOR[™] Earmuffs, 33 dB, Hi-Viz, Headband, X4A

3M™ PELTOR™ Earmuffs X4 are our lightweight and slim hearing protectors with innovative foam earcup inserts and spacers to help boost attenuation and protect against low frequencies up to 33 dB. They feature an electrically insulated, twin headband that decreases heat build-up on top of the head.



COMMUNICATION SOLUTIONS

3M[™] PELTOR[™] ProTac[™] III Headsets

Help protect your hearing while allowing safe, clear communication with nearby colleagues. Designed with dual shells for robust performance and are available in two different cup sizes; one with higher noise reduction and a slim version with lower noise reduction.



3M[™] PELTOR[™] Electronic Earplug, EEP-100 EU

Help protect your hearing and improve situational awareness and communications in challenging environments. The earpieces are rechargeable via a mitcro-USB jack on the charging case.



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COVERALLS

3M[™] Protective Coveralls 4532+

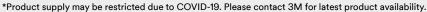
Designed to help protect against hazardous dusts (Type 5) and certain light liquid splashes (Type 6) with specialist treatments providing antistatic protection and an enhanced liquid repellency.



3M[™] Protective Coveralls 4535

With dual material technology, designed to help protect against hazardous dusts (Type 5) and certain light liquid splashes (Type 6). Balance of Protection, durability and additional comfort.





Personal Safety Solutions



FALL PROTECTION



New generation of 3M™ Protecta® range full body harnesses provide reliable protection, comfort and convenience for all work at height configuration with upgraded features and a sleek, modern look.



3M™ Protecta® Rebel **Self-Retracting** Lifeline

The lifeline extends and retracts allowing the user to move around a working area at normal speeds. A speed sensing brake system safely stops a fall. Available with stainless steel or galvanised cable in a range of lengths.



3M™ DBI-SALA® Nano-Lok™ Personal **Self Retracting Lifeline**

Compact and lightweight, carried by the user. Available in different lengths and single or twin leg variations. 100% tie-off and foot level connection capability for complete versatility.



3M™ DBI-SALA® EZ-Line™ Retractable Horizontal Lifeline Wire Cable System

Fast to install/remove temporary lifeline system. Built-in winch for easy set up. Length can be customized up to 18.25 m. Ideal solution for maintenance teams.



ASSEMBLY















PAINTING & COATING













MAINTENANCE, **REPAIR & OPERATIONS**















DISCLAIMER

This guide is only an outline. It should not be used as the only means for selecting a personal protective equipment (PPE). Details regarding performance and limitations are set out on the PPE packaging and user instructions. Before using any item of PPE, the wearer must read and understand the user instructions for each product.

Specific country legislation must be observed. Please note that the applications shown highlight some of the hazards which may be considered. Selection of the most appropriate PPE will depend on the particular situation and should be made only by a competent person knowledgable of the actual working conditions and the limitations of PPE.

Specific country legislation must be observed. The use of Isocyanates may require use of supplied air respiratory protective equipment. The use of solvent based paints and chemicals may require use of ATEX approved or other suitable personal protective equipment.



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