

**3M** Science.  
Applied to Life.™

# 3M Solutions for the Scientific Research Facilities



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Available from:

 **fisher scientific**  
part of Thermo Fisher Scientific

# Health and Safety Solutions for the Pharmaceutical Industry.

## Top Pharmaceutical Manufacturing Processes and Tasks

### Active Pharmaceutical Ingredient

Helping health and safety leaders with the latest advancements in personal protection equipment when tackling the challenging occupational workplace hazards of API including highly potent APIs with an OEL lower than  $1\mu\text{g}/\text{m}^3$ .

### Formulation and Packaging

Leveraging personal protective equipment innovations when addressing occupational health and safety hazards for drug substance formulation and packaging.

### Maintenance and Cleaning

Delivering PPE solutions for potential occupational hazards with ongoing maintenance activities including decontamination or cleaning of cleanrooms or production suites with challenging cleaning agents such as peracetic acid and hydrogen peroxide.

## MOST COMMON HAZARDS IN PHARMACEUTICAL MANUFACTURING



RESPIRATORY



EXPOSURE TO NOISE



SKIN EXPOSURE



EYE AND FACE INJURIES



WORKING AT HEIGHTS



IGNITION



# Personal Safety Solutions

## RESPIRATORY PROTECTION EQUIPMENT



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### DISPOSABLE RESPIRATORS

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



The 3M™ Aura™ Disposable Respirator 9330+ provides comfort and style without compromising performance. With the aid of 3M's innovative low breathing resistance filter technology, you can breathe through the respirator with less effort. The 3M™ Aura™ 9330+ also features an embossed top panel that helps reduce the fogging of eyewear from warm, moist exhaled air.



### REUSABLE RESPIRATORS

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



Designed with smart and intuitive features 3M™ Secure Click™ Reusable Respirator HF-800 Series is simple, comfortable and reliable. The new 3M™ Secure Click™ Series features a quick, simple cartridge/filter connection. It works just like a seat belt. Simply align the connections and push until you hear a click and feel confident that filters and cartridges are installed properly.



### POWERED AIR RESPIRATORS

#### 3M™ Versaflo™ Powered Air Turbo TR-800



TR-800 is an intrinsically safe powered air turbo from the 3M™ Versaflo™ range. When coupled with the Versaflo™ family of headtops, filters and accessories, TR-800 provides protection against a variety of gases and particulate hazards. Comfort is maximised with three user selectable flow rates and controlled airflow.



#### 3M™ Versaflo™ Powered Air Turbo TR-600



With user-selectable airflow rates, rugged construction and a comfortable design that will see you through the entire shift, the 3M™ Versaflo™ Powered Air Turbo TR-600 helps provide durable protection in harsh environments.



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



3M™ Versaflo™ S-Series Hoods & Headcovers is a range of hoods and headcovers that can be used in many 3M™ powered air turbo and supplied air respirator combinations. They have been designed for a comfortable, stable fit and feature the innovative 3M™ Quick Release Swivel connection.



### APPLICATIONS

#### API production/(bio-) synthesis

- ▶ Synthesis / reaction
- ▶ Fermentation

#### Solid pharma production

- ▶ Raw material control
- ▶ Repackaging
- ▶ Raw material proportioning
- ▶ Granulation, mixing, sifting, drying
- ▶ Tablet compression / Capsule filling
- ▶ Tablet coating
- ▶ Primary packaging (blister pack)

#### Liquid/semi-solid Pharma Production

- ▶ Raw material proportioning
- ▶ Preparation of liquid / semi-solid
- ▶ Primary packaging (bottle / tube filling)
- ▶ Raw material control

#### Clean down and maintenance

- ▶ Reprocessing equipment for reuse
- ▶ Cleaning and maintenance of machinery
- ▶ Manual clean and disinfection



# Personal Safety Solutions

## PROTECTIVE APPAREL



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## PROTECTIVE COVERALLS

### 3M™ Protective Coverall 4510



3M™ Protective Coverall 4510 offers economic protection against biological agents, hazardous dusts and limited liquid splashes. Our PE laminate includes micro pores which allow heat and moisture to evaporate from the skin and out through the suit offering a light and comfortable yet protective solution. Type 5/6.

### 3M™ Protective Coverall 4520



3M™ Protective Coverall 4520 has been engineered to offer multiple layers of SMMMS for effective hold out and strength at a lightweight 43gsm. Superbly breathable and soft with a cloth like feel it can be worn for extended periods comfortably and protects against static discharge, hazardous particulates and liquid splash Type 5/6.

\*A collared (non-hooded) version, 4520CS is also available.

### 3M™ Protective Coverall 4565



3M™ Protective Coverall 4565 has desirable comfort features and provides a strong barrier to certain chemicals, liquid sprays and particles. 3M protective coverall 4565 is non-microporous to offers chemical protection with permeation tested resistance and is certified to EN 14126 biological agents. Type 4/5/6.

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- ▶ Granulation, mixing, sifting, drying
- ▶ Tablet compression / Capsule filling
- ▶ Tablet coating
- ▶ Primary packaging (blister pack)

### Liquid/semi-solid Pharma Production

- ▶ Raw material control
- ▶ Raw material proportioning
- ▶ Preparation of liquid / semi-solid
- ▶ Primary packaging (bottle / tube filling)
- ▶ Secondary packaging (card pack)

### Clean down and maintenance

- ▶ Cleaning and maintenance of machinery
- ▶ Manual clean and disinfection
- ▶ Reprocessing equipment for reuse

\*Product supply may be affected due to COVID-19 restrictions. Please contact 3M for latest product availability



# Personal Safety Solutions

## HEARING PROTECTION



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### PASSIVE HEARING

#### 3M™ PELTOR™ Earmuffs X Series



X series earmuffs combine 3M™ Peltors™ legendary hearing protection knowledge with our most advanced technologies, creating our most comfortable, durable earmuff. A broad range of protection in colour coded SNRs they make finding the correct protection level easier.



#### 3M™ E-A-R™ Express™ Earplugs



3M™ E-A-R™ Express™ Earplugs are our recognisable yellow and blue earplugs with a foam tip that's shaped and sized for a comfortable fit. They can reduce noise levels by 28 dB and have a hygienic insertion grip.



#### 3M™ E-A-R™ UltraFit™ 20 Earplugs



3M™ E-A-R™ Ultrafit™ 20 Earplugs are our corded, reusable and silicone low attenuating earplugs. Protecting up to 20 dB, when matched to the noise level they allow conversation whilst protecting against hearing loss.



### COMMUNICATIONS SOLUTIONS

#### 3M™ PELTOR™ LiteCom Headsets



3M™ PELTOR™ LiteCom Headsets are our hearing protectors with a built-in pre-programmed two-way communication radio and an integrated noise cancelling microphone. They're built for demanding environments to help you communicate efficiently over hazardous noise.



### APPLICATIONS

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- ▶ Preparation of liquid / semi-solid
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- ▶ Raw material control
- ▶ Secondary packaging (card pack)

#### Clean down and maintenance

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- ▶ Cleaning and maintenance of machinery
- ▶ Manual clean and disinfection



# Personal Safety Solutions

## EYE PROTECTION



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### SAFETY GLASSES

#### 3M™ SecureFit™ Safety Glasses 400 Series



3M™ SecureFit™ Safety Glasses 400 Series comprise of a rimless lens and wide flexible temple arms for solid side protection and popular to be used in combination with Ear Muffs. Temples also feature 3M™ Pressure Diffusion Temple Technology (PDT) which allows the safety spectacle temples to naturally adjust to individuals head sizes giving wearers a secure and comfortable fit. Reduces slippage from head movements. Contoured brow guard rests comfortably against forehead and helps provide additional coverage from flying particles. Soft nose bridge for a comfortable fit. They are available in 7 lens options.



#### 3M™ Solus™ 1000 Series Safety Glasses



A fogged lens can be frustrating and challenging. Removing eyewear to wipe away fog can expose eyes to potentially dangerous workplace impact hazards and debris. 3M™ Solus™ 1000 series protective eyewear features Scotchgard™ Anti-Fog lens coating which helps workers see clearly, longer – providing longer lasting fog resistance than traditional anti-fog coatings. The 3M™ Scotchgard™ Protector Anti-Fog Coating resists fogging longer than traditional antifog coatings, up to 25 washings with water. Based on 3M internal testing of tap water wash cycles followed by anti-fog testing per EN168 test method.



### OVERSPECTACLES

#### 3M™ SecureFit™ Overspectacles 3700 Series



3M™ SecureFit™ Overspectacles 3700 Series are our safety overspectacles designed for people with prescription glasses. They feature adjustable ratchet temples with Pressure Diffusion Temple (PDT) technology to ensure a close fit and a soft touch nose piece to help provide comfort. The polycarbonate lens is available with 3M™ Scotchgard™ Anti-Fog and anti-scratch coatings for increased durability and improved vision. Available in three temple arm colours and four lens options.



### SAFETY GOGGLES

#### 3M™ GoggleGear™ Safety Goggles 500 Series



3M™ Goggle Gear 500 Series features a low-profile design with an adjustable strap, indirect ventilation and 3M™ Scotchgard™ Protector Anti-Fog/Anti-Scratch Coating. Can be disinfected with diluted bleach soaking or alcohol wipes and sterilised by autoclave without losing its mechanical or anti-fog performance - please refer to Note.



\*Note: Sterilisation by autoclaving - internal testing has been carried out on GG501NSGAF-EU samples subjected to 10x, 20x, 30x and 40x automatic cleaning and disinfection and sterilisation by autoclaving at 121°C. Testing was then carried out on the following properties:  
 • mechanical performance (BT) / • the anti-fog properties (K)  
 • the anti-scratch properties (N) / • optical performance (Class 1)  
 Based on the internal testing the claims remain valid.

### APPLICATIONS

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- ▶ Primary packaging (blister pack)
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#### Liquid/semi-solid Pharma Production

- ▶ Raw material proportioning
- ▶ Preparation of liquid / semi-solid
- ▶ Primary packaging (bottle / tube filling)
- ▶ Raw material control
- ▶ Secondary packaging (card pack)

#### Clean down and maintenance

- ▶ Reprocessing equipment for reuse
- ▶ Cleaning and maintenance of machinery
- ▶ Manual clean and disinfection




# Personal Safety Solutions


## HEAD & FACE PROTECTION



### HEAD PROTECTION

#### 3M™ SecureFit™ X5500 Safety Helmet

 3M™ SecureFit™ Safety Helmet X5500 Series provides secure, comfortable and adjustable head protection for workers in a variety of situations. Our helmets feature adjustable positioning and easy-turning, 4-point ratchet suspension systems that features the exclusive 3M™ Pressure Diffusion Technology. X5500 Series safety helmets have 3M™ UVicator™ Sensors that indicates damaging levels of ultraviolet (UV) light. They meet the EN397 standard for general industrial use and are available in a variety of colours with or without vents.



#### MAINTENANCE TASKS

##### API production/(bio-) synthesis

- ▶ Synthesis / reaction
- ▶ Fermentation

\*Product supply may be affected due to COVID-19 restrictions. Please contact 3M for latest product availability

### FACE PROTECTION

#### 3M™ U5B-CE Faceshield Holder for SecureFit™ Safety Helmet

 The U5B-CE Faceshield Holder connects a variety of 3M faceshields to the 3M™ SecureFit™ Safety Helmets X5000 and X5500.





#### 3M™ 5F-11 Face Shields

 3M™ Faceshield, 5F-11 is our optical class 1, clear curved polycarbonate faceshield with anti-fog and anti-scratch coating. It's compatible with 3M™ V5 Faceshield System for mounting on 3M™ SecureFit™ X5500 Safety Helmet.



#### 3M™ WP Series Clear Visors

 3M™ W-Series Faceshields offer optical clarity and high-performance durability in unpredictable environments that involve exposure to impact hazards and flying debris.



#### 3M™ Helmet Integrated Safety Glasses V9C

 3M™ Hard Hat Integrated Safety Glasses, V9C, are our clear lens safety glasses designed to attach to 3M™ Hard Hats for protection from particles and UV.





# Personal Safety Solutions

## CONFINED SPACES



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### Confined spaces are partially or fully enclosed spaces that meet all of the following criteria:

- ▶ Large enough for workers to enter and perform certain jobs.
- ▶ Limited or restricted means for entry or exit.
- ▶ Not designed for continuous occupancy.


The range of possible confined spaces is also extensive. type, size and hazards vary greatly, along with different standards, regulations and company policies that can apply to each working environment.

### Elements of Working Safely in Confined Spaces:


Confined spaces can be complicated and anyone, in any industry, can be exposed to working in and around them. We break this complexity down to four mayor elements:



**1. PLAN**  
Before working in a confined space, start with a site evaluation then document and plan for safe confined space entries.



**2. ACCESS**  
Understand what you need to access a specific confined space, including a hazard assessment.



**3. WORK INSIDE**  
Provide the appropriate personal protection equipment to the worker to protect from hazards seen and unseen.



**4. RESCUE AND RETRIEVAL**  
Be prepared - ensure your team has a plan and are trained.

### EXAMPLE CONFINED SPACES IN PHARMACEUTICALS

#### Pharmaceutical Production Vessels:

- ▶ Active Pharmaceutical Ingredient (API) production: Reactor vessels
- ▶ Biotech: Process systems, fermentation vessels and purification systems
- ▶ Proportioning: Containment rooms, HVAC systems
- ▶ Mixing & Granulation: Large sifters, granulators and blending equipment
- ▶ Liquid processes: Storage and mixing tanks, filter presses
- ▶ Tablet and pellet coating: Mixing and coating drums

#### Pharmaceutical Routine Operations:

- ▶ Entry for maintenance and cleaning operations; Air handlers, ductwork, manholes, vaults & pits
- ▶ Onsite waste water treatment facility

\*Product supply may be affected due to COVID-19 restrictions. Please contact 3M for latest product availability





# Personal Safety Solutions

## FALL PROTECTION



CONFINED SPACE



WORKING AT HEIGHTS



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### A · ANCHORAGES

#### DBI-SALA® Short Reach Davit System



3M™ DBI-SALA® Confined Space HC (High Capacity) Short Reach Davit System is constructed of powder-coated aluminium, and features a modular design for easy transport and storage. Our system is adjustable, providing flexibility during installation. This product is certified to EN795:2012, CEN/TS 16415:2013, EN1496:2012, and meets the requirements of machinery directive 2006/42EC for material handling.

### B · BODY SUPPORT

#### DBI-SALA® Delta™ Comfort Rescue Harness



3M™ DBI-SALA® Delta™ Comfort Rescue Harness is one of our most popular harnesses featuring comfortable padding, with an ergonomic fit and feel, lightweight webbing. It has a no-tangle triangular pattern, which creates a frame that allows the harness to be easily donned. D-rings on shoulders for upright rescue/retrieval from confined spaces.

### C · CONNECTING DEVICES

#### DBI-SALA® Sealed-Blok™ SRL with Retrieval Winch



Our 3M™ DBI-SALA® Sealed-Blok™ Retrieval Self-Retracting Lifeline, has been designed to stand up to the harshest environments. With all the features of our standard Sealed-Blok™ plus a 3-way retrieval winch The heavy-duty design is corrosion resistant, with stainless steel end-plates and aluminium housing. For reliability and quality fall protection in applications such as oil and gas rigging, confined space, saltwater environments, dirty environments and sewage plants, Sealed-Blok™ has many years of service in the field.



## Equipment You Can Trust.

Your access and rescue equipment can mean the difference between getting in and out safely or not.



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# Sterilization Monitoring Solutions

## STEAM STERILIZATION

### BIOLOGICAL INDICATOR SYSTEMS

#### 3M™ Attest™ Rapid Readout Biological Indicator 1292-S



The 3M™ Attest™ Rapid Readout Biological Indicator system for use with steam sterilization processing provides the result in three hours, if necessary allowing corrective action to begin before batches are released.

### BOWIE DICK TYPE TESTS

#### 3M™ Comply™ Disposable Bowie and Dick Type Autoclave Test Pack



Bowie-Dick Test Packs are used to monitor the performance of vacuum-assisted pre-vac steam sterilizers; test packs will reproducibly detect residual air in the sterilizer chamber due to leaks, inadequate vacuum and non-condensable gases – any of which can compromise sterility.

### TYPE 1 PROCESS INDICATOR TAPES

#### 3M™ Comply™ Lead Free Steam Indicator Tape 1322 and 1355



As an exposure monitor, 3M™ Comply™ Indicator tapes securely seal packs and enables CSSD and OR personnel to know at a glance that the packs have been exposed to the sterilization process. The chemical indicator ink, printed in a diagonal striped pattern, changes color or turns darker when exposed to the sterilization process.

### 3M™ Attest™ Super Rapid Readout Biological Indicator



3M™ Attest™ Super Rapid Readout Biological Indicators and Challenge Packs for Steam, super rapid 24 minute results.

### 3M™ Electronic Test System (ETS)™



The Electronic Test System (ETS) is a stand alone test device for measurements of the physical parameters of a steam sterilizer empty chamber Bowie Dick cycle providing an accurate temperature, pressure and time measurement. With the use of the ETS software and the data-reader the data can be downloaded to the software. With the software the data can be analysed and stored in a digital logbook.

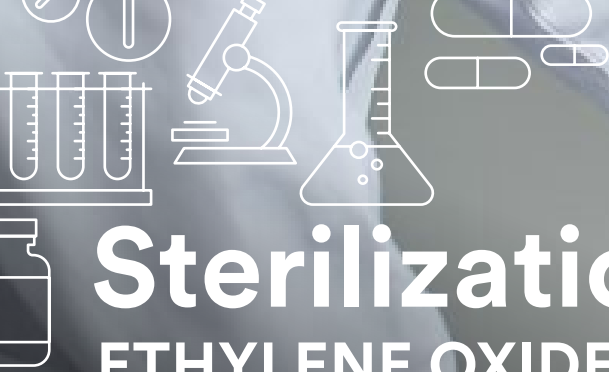
### TYPE 5 CHEMICAL INDICATORS

#### 3M™ Comply™ (SteriGage™) Chemical Integrator 1243A / 1243B



3M™ Comply™ (SteriGage™) Chemical Integrator 1243A/1243B are a Class 5 Integrating Integrator that meet the performance requirements of ISO 11140-1:2005. Use for pack control monitoring of all 121°C to 135°C steam sterilization cycles.





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# Sterilization Monitoring Solutions

## ETHYLENE OXIDE STERILIZATION

### CHEMICAL INDICATOR

#### 3M™ Comply™ Indicator Strip 1251



As an internal pack monitor, the 3M™ Comply™ EO Chemical Indicator offers immediate, accurate and easy to read method of monitoring both 100% and EO/HCFC gas mixture sterilization processes.



### SELF-CONTAINED BIOLOGICAL INDICATOR SYSTEMS

#### 3M™ Attest™ Rapid Readout Biological Indicators 1294-S



The 3M™ Attest™ Rapid Readout Biological Indicator System for use with ethylene oxide (EO) sterilization processing is a proprietary technology that provides the fastest biological indicator result available. 3M™ Attest™ Biological Indicators 1294-S for Ethylene Oxide Sterilization provide results in as little as four hours post-processing, if necessary allowing corrective action to begin even before batches are released from aeration.



### SELF-CONTAINED BIOLOGICAL INDICATOR SYSTEMS

#### 3M™ Attest™ Auto-reader 390G



Auto-reader for use with 3M™ Attest™ Rapid Readout Biological Indicators and Process Challenge Packs for Ethylene Oxide. Includes ethernet cable for web app connectivity.



*Digitalisation of the monitoring of the sterilization process enables the collection of multiple streams of data for tracking and improvement. This data can seamlessly integrate into existing or developed dashboards.*



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# Sterilization Monitoring Solutions

## VH2O2 STERILIZATION

### CHEMICAL INDICATOR

#### 3M™ Attest™ Auto-reader 490



Auto-reader for use with 3M™ Attest™ Rapid Readout Biological Indicators and Process Challenge Packs for Steam. Includes ethernet cable for web app connectivity.



### SELF-CONTAINED BIOLOGICAL INDICATOR SYSTEMS

#### 3M™ Attest™ Rapid Read-out Biological Indicators



3M™ Attest™ Rapid Read-out Biological Indicators use the same technology you've trusted for years, and can now bring rapid results for Vaporised Hydrogen Peroxide Sterilization processes.

### SELF-CONTAINED BIOLOGICAL INDICATOR SYSTEMS

#### 3M™ Comply™ 1248 Hydrogen Peroxide Chemical Indicator Strip



Internal pack monitor for use in STERRAD® Sterilization Processes (Models 100, 100S, NX Standard and Advanced cycles, and 100NX Standard, Flex, Express, Duo cycles). Indicator changes from blue to pink when exposed to Vaporized Hydrogen Peroxide. Indicator color does not fade when exposed to light.



*Monitoring at each level of load and pack ensures maximum chance of detecting a non-compliant sterilization event.*



# Cleaning & Workplace Safety Solutions

## FLOOR SAFETY

### SLIP RESISTANT & TRACTION TAPES

#### 3M™ Safety-Walk™ Slip Resistant General Purpose Tape 600 Series



Offers a low-profile design and helps reduce trip hazards. This mineral-coated, slip-resistant material is adhered by a durable resin to a pressure-sensitive adhesive backed plastic film.



Different sizes available.  
Colours: Black (610); Black/Yellow (613); Yellow (630), Photoluminescent (690).

### SORBENTS & SPILL KITS

#### 3M™ Chemical Sorbents



High capacity chemical sorbent pads have a scrim on one side to increase strength and eliminate linting. Pads allow the user to quickly spread sorbent on and in the path of a spill. May also be used on a work surface in anticipation of a spill or as a wipe.



#### 3M™ Maintenance Sorbents



Ideal for placing in, under and around machines to catch drips. It is highly sorbent and non-granular so it will not damage plant equipment. Each case sorbs 37.5 gallons and contains 100 pads. This high capacity sorbent has a scrim on one side to increase strength and help eliminate linting. This conveniently sized pad allows the user to quickly spread sorbent on and in the path of a spill. It can also be used on a work surface in anticipation of a spill or as a wipe.



*A busy workplace can be an accident waiting to happen. That's why 3M science is continually finding new ways to enhance facility safety – with technologies engineered to protect your workplace against slips and falls, chemical spills and more. Like you, we're dedicated to keeping your people safe. While keeping your facility up and running.*



# Cleaning & Workplace Safety Solutions

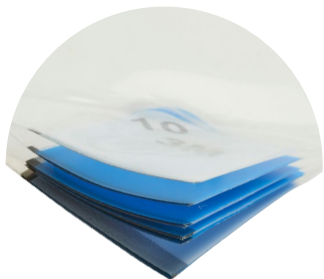
## FLOOR SAFETY

### MATTING SOLUTIONS

#### 3M™ Nomad™ Ultra Clean Matting 4300



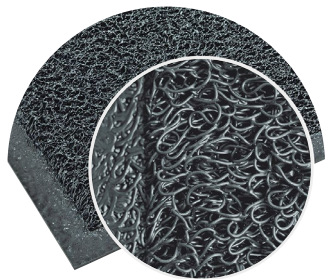
This contamination control mat is a disposable, dust collecting floor mat consisting of 40 sheets coated with a pressure sensitive adhesive. It is designed to help protect clean areas where cleanliness and hygiene are critical factors. It can assist you in obtaining ISO14644-1 certification Class 4 to 8 for clean rooms.



#### 3M™ Safety-Walk™ Cushion Matting 5270E



- Spring-coiled vinyl compresses uniformly and continually, helping provide greater comfort and less fatigue
- Textured top surface provides a high coefficient of friction for slip resistance
- Solid top allows debris to stay on top of the mat for easy cleaning
- Special grease- and oil-resistant coating keeps mat resilient over time, providing continuous comfort
- Black integral edging



#### 3M™ Safety-Walk™ Light Duty Cushion Matting 3270E



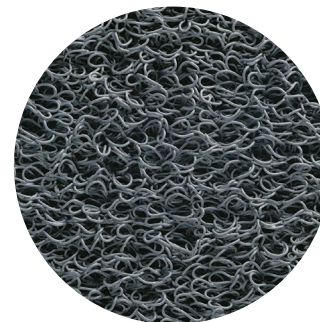
- Textured top surface provides a high coefficient of friction for slip resistance
- Coils are permanently fixed to the top surface and will not delaminate or separate when wet like foam mats
- Lightweight for easy moving and positioning
- Ideal for light industrial and light to medium commercial applications where people stand for extended periods of time
- Black edging on all 4 sides



#### 3M™ Nomad™ Terra Heavy Traffic Entrance Matting 8150



Best Nomad™ Scraper Mat for removing and hiding dirt in heavy traffic areas. Durable vinyl loops scrape, trap and hide dirt and moisture, minimizing re tracking into the building. Provides resistance to grease and oil. Backed mat can be used for indoor applications and protects floor surfaces.



#### 3M™ Nomad™ Aqua Textile Drop Down Matting 85



High performing textile entrance mat, with advanced water removal and retention properties which stops 80% of dirt and moisture at the door. Engineered for high traffic applications (1500 to 5000 crossings per day). Phthalate-free, slip-resistant PVC backing with excellent appearance retention.



*A good matting system reduces your cleaning costs and protects your floors, employees and customers as well as your bottom line.*



# Cleaning & Workplace Safety Solutions

## FLOOR CARE & SURFACE CARE

### FLOOR MAINTENANCE

#### Scotch-Brite™ Clean & Shine Double Sided Floor Pads



Shines the floor as you clean with it. With repeated use, your floors gradually achieve burnish-quality results without the extra step of actually burnishing. Using a low-speed auto scrubber with just plain water or neutral cleaner, it effectively removes scuff marks faster than traditional floor pads and lasts significantly longer (up to 40,000 sqm). So you can maintain a shining reflection with less time, effort and equipment.



#### Scotch-Brite™ Surface Preparation Pad Plus



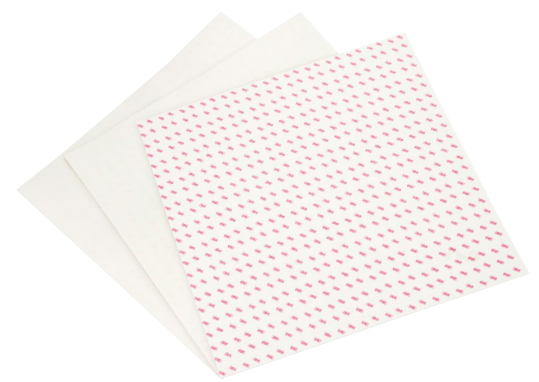
Effectively removes floor finish, leaving a clean surface ready for recoating. Prepares wood, vinyl tile, sheet vinyl, marble, terrazzo and concrete floors for finish application. Certified by Green Seal® for Environmental Innovation based on a design for significantly improved mid-life performance compared to competitive products, extending the useful life of the floor pad and reducing solid waste generation.



#### 2200 Surface Protection Film



Scotchgard™ Surface Protection Film is designed to protect stone any vinyl flooring, bathroom surfaces and walls from the everyday challenges they are subjected to. It can be applied to waxed vinyl, sealed concrete, marble, ceramic tile, terrazzo and more. It can be easily removed prior to floor stripping or refinishing, is compatible with standard floor cleaning procedures, floor disinfectants, cleaners and coatings and reduces the number of stripping and recoating events.



*From cleaning to polishing to protecting, we'll help you restore, protect and maintain the perfect condition of your floors with high performance solutions that cuts costs, without compromising effectiveness and ease of use.*



# Cleaning & Workplace Safety Solutions

## FLOOR CARE & SURFACE CARE



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### SURFACE MAINTENANCE

#### 3M™ Easy Trap™ Sweep & Dust Sheets

Traps up to 8 times more dirt, dust and sand than conventional flat-fringed cotton dust mops or a competitive sweeping dust cloth brand. Double-sided sheets provide more space for all dry soil types to be captured in order to reduce abrasion on the floors. The proprietary fibres pick up even when wet. Can be used with your existing flat mop or high duster.



#### 3M™ Glass Cleaner and Protector

Reduces resoiling of glass and mirrors by leaving an invisible layer of Scotchgard™ protection.



#### 3M™ Stainless Steel Cleaner & Polish Aerosol

Ideal for stainless steel, chrome, laminated plastics and aluminum surfaces. With a high gloss formula, it wipes clean with no streaks or buildup, resists fingerprints and masks surface blemishes. Pleasant lime fragrance.



#### Scotch-Brite™ High Performance Microfibre Wipes 2010

Ideal for cleaning stainless steel, chrome, wood and enamel, Scotch-Brite™ High Performance Cleaning Cloths are reusable and perfect for delicate surfaces such as glass and plastic.



#### Scotch-Brite™ Delicate Surface Cleaning Pads 98

This convenient, thick, hand-size pad is designed for gentle, no-scratch cleaning of most delicate surfaces.



*Simplify complex cleaning, maintenance and renovation tasks. Our efficient and easy-to-use solutions help you increase productivity, limit disruption to regular business operations and provide a clean, safe and welcoming experience.*





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# Industrial Tape Solutions

## MARKING & SAFETY SOLUTIONS

### LANE MARKING & HAZARD WARNING

#### 3M™ Vinyl Tape 471/5702



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



#### 3M™ Ultra Durable Floor Marking 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 variety of hazard, color coding, floor and safety marking applications in light traffic. Economical lane and colour marking.



#### 3M™ Vinyl Tape 766/767



Ideal for marking of equipment pinch points or gears for warning purposes and floor marking in light traffic areas. Economical safety marking.



### 3M™ INDUSTRIAL TAPES FOR MARKING

#### Selection chart

PRODUCT	PRODUCT NUMBER	COLOUR MARKING	FLOOR, WALL, OR LOADING DOCK MARKING	HAZARD AREA MARKING	CLEAN REMOVAL	TRAFFIC AREAS	KEY FEATURES
	471						Long-term high visibility and abrasion resistance
	971						Scuffing from pallets and heavy equipment, fork-lift traffic
	764i						Economical lane and colour marking in noncritical applications
	5702						Long-term high visibility and abrasion resistance
	766i						Economical safety marking in noncritical applications
	767i						Ideal for marking in light traffic areas, walls and pipes



# Industrial Tape Solutions

## HIGH-STRENGTH BONDING TAPE SOLUTIONS

### 3M™ VHB™ HIGH-STRENGTH BONDING TAPE

#### 3M™ VHB™ Tape 4910



Designed to create durable and reliable bonds of transparent materials or wherever a clear bond is needed.



#### 3M™ VHB™ Tape 5952



Designed for permanent bonding to powder coated and rigid irregular surfaces. Offers good adhesion to the widest variety of surfaces, including further high and medium surface energy plastics and paints, metals and glass.



#### 3M™ VHB™ Tape 5962



Designed for permanent bonding to powder coated and rigid irregular surfaces. Offers good adhesion to the widest variety of surfaces, including further high and medium surface energy plastics and paints, metals and glass.



#### 3M™ VHB™ Tape 4991



Designed for permanent bonding with a high bond strength in critical applications on high to medium surface energy materials. Offering plasticiser resistance.



#### 3M™ VHB™ Tapes GPH-110GF



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



Whether it's a bonding, fastening or sealing solution you're looking for, with the "short-length roll blister pack everyday essentials program" you can complete everyday jobs quickly and reliably.



**ALWAYS CONVENIENT**  
Fits in your toolbox



**ALWAYS CLEAN**  
Comes in a dirt-protection blister/pack



**ALWAYS PRACTICAL**  
Bonding, fastening and sealing go faster



PRODUCTION



LABORATORY



M.R.O.

# Industrial Tape Solutions

## RECLOSABLE FASTENING SOLUTIONS

### 3M™ RECLOSABLE FASTENING SOLUTIONS

#### 3M™ Dual Lock™ Reclosable Fastener SJ355B

Bonds to a variety of substrates including metals and plastics such as acrylics, polycarbonate and ABS. Indoor and outdoor use.



#### 3M™ Dual Lock™ Reclosable Fastener SJ354B

Designed for use for plastics (acrylic, polycarbonate and ABS), powder-coated paints and low-surface energy materials (polypropylene and polyethylene). Indoor use.



#### 3M™ Dual Lock™ Reclosable Fastener SJ352Bbk (Black)

Alternative to a wide variety of reclosable attachment methods, including zips, screws, snaps, hooks, and more.



### 3M™ EXTREME SEALING TAPES

#### 3M™ Extreme Sealing Tape 4411N (Translucent)

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



Whether it's a bonding, fastening or sealing solution you're looking for, with the "short-length roll blister pack everyday essentials program" you can complete everyday jobs quickly and reliably.



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PRACTICAL**

Bonding, fastening and sealing go faster

# Pharmaceutical Industry product range



Page	Product Description	Product Code	Product in website
3	3M™ Versaflo™ S-Series Hood, Large, S-433L	10450180	<a href="#">+</a>
3	3M™ Versaflo™ S-Series Hood, Small, S-433S	10357839	<a href="#">+</a>
3	3M™ Aura™ Disposable Respirator, FFP2, Valved, 9322+	10116544	<a href="#">+</a>
3	3M™ Aura™ Disposable Respirator, FFP2, Unvalved, 9320+	10583051	<a href="#">+</a>
3	3M™ Aura™ Disposable Respirator, FFP1, Valved, 9312+	12672545	<a href="#">+</a>
3	3M™ Aura™ Disposable Respirator, FFP1, Unvalved, 9310+	11717574	<a href="#">+</a>
3	3M™ Aura™ Disposable Respirator, FFP3, Valved, 9332+	11346974	<a href="#">+</a>
3	3M™ Aura™ Disposable Respirator, FFP3, Unvalved, 9330+	12602555	<a href="#">+</a>
3	3M™ Versaflo™ Powered Air Turbo Starter Kit, TR-619E	15559255	<a href="#">+</a>
3	3M™ Versaflo™ Powered Air Turbo Starter Kit, TR-619UK	15710088	<a href="#">+</a>
3	3M™ Versaflo™ Powered Air Purifying Respirator Starter Kit, Intrinsicly Safe, TR-819E, 1 EA/Case	16358981	<a href="#">+</a>
3	3M™ Versaflo™ Intrinsicly Safe Powered Air Turbo Starter Kit TR-819UK	16426370	<a href="#">+</a>
3	3M™ Secure Click™ Half Facepiece Reusable Respirator with Speaking Diaphragm HF-802SD Medium	16446370	<a href="#">+</a>
3	3M™ Secure Click™ Half Facepiece Reusable Respirator with Speaking Diaphragm HF-803SD Large	16476370	<a href="#">+</a>
3	3M™ Secure Click™ Half Facepiece Reusable Respirator with Speaking Diaphragm HF-801SD Small	16486370	<a href="#">+</a>
4	3M™ Protective Coverall, 4520- L	12642565	<a href="#">+</a>
4	3M™ Protective Coverall, 4520- XL	12642595	<a href="#">+</a>
4	3M™ Protective Coverall, 4520-2XL	12652595	<a href="#">+</a>
4	3M™ Protective Coverall, 4565-L	13473336	<a href="#">+</a>
4	3M™ Protective Coverall, 4565-XL	12682595	<a href="#">+</a>
4	3M™ Protective Coverall, 4565-2XL	12692595	<a href="#">+</a>
4	3M™ Protective Coverall, 4510-L	12962315	<a href="#">+</a>
4	3M™ Protective Coverall, 4510-XL	12972315	<a href="#">+</a>
4	3M™ Protective Coverall, 4510-2XL	12982315	<a href="#">+</a>
4	3M™ Protective Coverall 4520CS, XL	15700068	<a href="#">+</a>
4	3M™ Protective Coverall 4520CS, L	15720068	<a href="#">+</a>
4	3M™ Protective Coverall 4520CS, 2XL	15730068	<a href="#">+</a>
5	EX-01-001 EXPRESS CORDED CEN 400 PR/CASE	15729047	<a href="#">+</a>
5	EX-01-002 EXPRESS - UNCRDD CEN 400 PR/CS	12394749	<a href="#">+</a>
5	3M™ E-A-R™ Ultrafit™ 20 Earplugs	11709315	<a href="#">+</a>
5	X1A EU EARMUFF HEADBAND 3M PELTOR	13479918	<a href="#">+</a>

# Pharmaceutical Industry product range



Page	Product Description	Product Code	Product in website
5	X2A EU EARMUFF HEADBAND 3M PELTOR	13489918	<a href="#">+</a>
5	MT53H7A4400-EU LiteCom PMR 446 MHz headb	15749997	<a href="#">+</a>
5	MT53H7P3E4400-EU LiteCom PMR 446 MHz	15759997	<a href="#">+</a>
5	MT53H7B4400-EU LiteCom PMR 446 MHz neckb	15769997	<a href="#">+</a>
6	3M™ Goggle Gear™ 500 Safety Goggles, neoprene headband, Scotchgard™ Anti-Fog / Anti-Scratch Coating (K&N), Clear Lens, GG501NSGAF-EU	17227680	<a href="#">+</a>
6	3M™ Goggle Gear™ 500 Safety Goggles, Scotchgard™ Anti-Fog / Anti-Scratch Coating (K&N), GG501SGAF-EU	15603074	<a href="#">+</a>
6	3M™ Solus™ 1000 Safety Glasses, Green/Black frame, Scotchgard™ Anti-Fog / Anti-Scratch Coating (K&N), Clear Lens, S1201SGAF-EU	15707717	<a href="#">+</a>
6	3M™ Solus™ 1000 Safety Glasses, Blue/Black frame, Scotchgard™ Anti-Fog / Anti-Scratch Coating (K&N), Clear Lens, S1101SGAF-EU	15767717	<a href="#">+</a>
6	3M™ SecureFit™ 400 Safety Glasses, Red/Grey frame, Scotchgard™ Anti-Fog / Anti-Scratch Coating (K&N), Clear Lens, SF401SGAF-RED-EU	17267660	<a href="#">+</a>
6	3M™ SecureFit™ 400 Safety Glasses, Blue/Grey frame, Scotchgard™ Anti-Fog / Anti-Scratch Coating (K&N), Clear Lens, SF401SGAF-BLU-EU	17207670	<a href="#">+</a>
6	3M™ SecureFit™ 400X Safety Glasses, Green/Clear frame, Scotchgard™ Anti-Fog / Anti-Scratch Coating (K&N), Clear Lens, SF401XSGAF-GRN-EU	16416380	<a href="#">+</a>
6	3M™ SecureFit™ 400X Safety Glasses, Blue/Grey frame, Scotchgard™ Anti-Fog / Anti-Scratch Coating (K&N), Clear Lens, SF401XSGAF-BLU-EU	16426380	<a href="#">+</a>
6	3M™ SecureFit™ 3700 Overspectacles, Blue Frame, Scotchgard™ Anti-Fog / Anti-Scratch Coating (K&N), Clear Lens, SF3701SGAF-BLU-EU	16863563	<a href="#">+</a>
6	3M™ SecureFit™ 3700 Overspectacles, Lime Green Frame, Scotchgard™ Anti-Fog / Anti-Scratch Coating (K&N), Clear Lens, SF3701SGAF-GRN-EU	16893563	<a href="#">+</a>
6	3M™ SecureFit™ 3700 Overspectacles, Blue Frame, Brow Guard, Scotchgard™ Anti-Fog/Anti-Scratch Coating (K&N), Clear Lens, SF3701XSGAF-BLU-EU	17237710	<a href="#">+</a>
6	3M™ SecureFit™ 3700 Overspectacles, Orange Frame, Scotchgard™ Anti-Fog / Anti-Scratch Coating (K&N), Clear Lens, SF3701SGAF-ORG-EU	16833573	<a href="#">+</a>
7	3M™ WP98 Series Visor, Acetate, Clear, 71340-00000CP	15709847	<a href="#">+</a>
7	5F-11, FACE SHIELD, PC, CLEAR	15170229	<a href="#">+</a>
7	3M™ Helmet Integrated Safety Glasses, Clear, V9C	17237640	<a href="#">+</a>
7	X5501V-CE SF HELMET WHT VENT 4/CS	17297670	<a href="#">+</a>
7	U5B-CE FACESHIELD HOLDER 10/CS	17207680	<a href="#">+</a>
9	3M™ DBI-SALA® Sealed-Blok™ Emergency Retrieval Self-Retracting Lifeline 3400956, 15.00 m		
9	3M™ DBI-SALA® Delta™ Comfort Rescue Harness 1112949, Yellow, Universal		
9	3M™ DBI-SALA® Confined Space, Short Reach Davit System HC, CE, 8000118, Green		
10	3M™ Comply™ (SteriGage™) Chemical Integrator 1243A		
10	3M™ Comply™ (SteriGage™) Chemical Integrator 1243B		
10	3M™ Comply™ Bowie and Dick Autoclave Type Test Pack, 1300		
10	3M™ Comply™ Bowie and Dick Type Autoclave Test Pack 1301		
10	3M™ Attest™ Rapid Readout Biological Indicator Technology, 1292-S		
10	3M™ Comply™ Lead Free Steam Indicator Tape 1322-18MM		

Please contact your Fisher local representative for further information

# Pharmaceutical Industry product range



Page	Product Description	Product Code	Product in website
10	3M™ Comply™ Lead Free Steam Indicator Tape 1322-24MM		
10	3M™ Comply™ Lead Free Steam Indicator Tape 1322-48MM		
10	3M™ Comply™ Lead Free Steam Indicator Tape for Disposable Wraps 1355-18MM		
10	3M™ Comply™ Lead Free Steam Indicator Tape for Disposable Wraps 1355-24MM		
10	3M™ Electronic Test System – Data Reader, 4309		
10	3M™ Electronic Test System, 4308		
10	3M™ Attest™ Super Rapid Readout Biological Indicator 1492V for Steam Sterilization		
10	3M™ Attest™ Super Rapid Readout Biological Indicators and Challenge Packs for Steam, super rapid 24 minute results		<i>Please contact your Fisher local representative for further information</i>
10	3M™ Attest™ Super Rapid Readout Biological Indicators and Challenge Packs for Steam, super rapid 24 minute results		
11	3M™ Comply™ EO Chemical Indicator Strips 1251		
11	3M™ Attest™ Rapid Readout Biological Indicator 1294 for Ethylene Oxide Sterilization, 50/BX		
11	3M™ Attest™ Rapid Readout Biological Indicator 1294-S for Ethylene Oxide Sterilization		
11	3M™ Attest™ Auto-reader 390G for Ethylene Oxide, 1 Each		
12	3M™ Comply™ Hydrogen Peroxide Chemical Indicator 1248 for vaporized hydrogen peroxide sterilization		
12	3M™ Attest™ Rapid Readout Biological Indicator 1295 for Vaporized Hydrogen Peroxide sterilization		
12	3M™ Attest™ Dual Auto-reader for Steam and Vaporized Hydrogen Peroxide 490 (EU) 1 Each		
13	3M™ Chemical Sorbent Multi-Format P-F2001, 120 mm x 15.2 m, 3/Case	17198550	
13	3M™ Maintenance Sorbent Pads M-A2002, 400 mm x 520 mm, 100/Case	11767184	<a href="#">+</a>
13	3M™ Safety-Walk™ Slip Resistant General Purpose Tape 600 Series, Black, 51 mm x 18.3 m, 2/Case	17148680	<a href="#">+</a>
13	3M™ Safety-Walk™ Slip Resistant General Purpose Tape 600 Series, Yellow, 51 mm x 18.3 m, 1/Case	17198670	<a href="#">+</a>
13	3M™ Safety-Walk™ Slip-Resistant General Purpose Tapes and Treads 613, Black/Yellow Stripe, 50.8 mm x 18.3 m, Roll, 2/case	17158750	<a href="#">+</a>
14	3M™ Nomad™ Aqua Textile Drop Down Matting Roll 85, Grey, 2 m x 20 m, 1/Case	17168570	<a href="#">+</a>
14	3M™ Nomad™ Ultra Clean Matting 4300, Transparent, 600 mm x 1.15 m, 40 Sheets/Pad, 6 Pads/Case	17178690	<a href="#">+</a>
14	3M™ Nomad™ Terra Heavy Traffic Entrance Matting 8150, Grey, 1.2 m x 6.1 m, 1/Case	17178720	<a href="#">+</a>
14	3M™ Safety-Walk™ Light Duty Cushion Matting 3270E, Black, 914 mm x 6.1 m	17128730	<a href="#">+</a>
14	3M™ Safety-Walk™ Cushion Matting 5270E, Black, 914 mm x 6.1 m, 1/Case	17138740	<a href="#">+</a>
15	Scotchgard™ Surface Protection Film 2200, 1220 mm x 1220 mm, 10/case	17257660	<a href="#">+</a>
15	Scotch-Brite™ Clean & Shine Double Sided Floor Pads, Brown, 432 mm, 5/Case	17118770	<a href="#">+</a>
15	Scotch-Brite™ Surface Preparation Pad Plus SPPP17, Brown, 430 mm, 5/Case	17257670	<a href="#">+</a>
16	3M™ Stainless Steel Cleaner & Polish Aerosol, 600 ml, 12/Case	17158590	<a href="#">+</a>
16	Scotch-Brite™ High Performance Microfibre Wipes 2010, Blue, 320 mm x 360 mm, 5/Pack	17158660	<a href="#">+</a>
16	3M™ Glass Cleaner and Protector, Ready -To-Use, 950 ml	17217640	<a href="#">+</a>
16	3M™ Dusting Sheets, White, 127 mm x 38.1 m, 250 Sheets/Roll, 2/Case	17108710	<a href="#">+</a>

# Pharmaceutical Industry product range



Page	Product Description	Product Code	Product in website
16	Scotch-Brite™ Delicate Surface Cleaning Pads 98, White, 158 mm x 224 mm, 20/Pack	17198820	<a href="#">+</a>
17	3M™ Safety Stripe Tape 5702, Black/Yellow, 50 mm x 33 m, 0.14 mm	17247770	<a href="#">+</a>
17	3M™ Vinyl Tape 471F, Red, 50 mm x 33 m, 0.14 mm	17257770	<a href="#">+</a>
17	3M™ Lane and Safety Marking Tape 471, Blue, 50 mm x 33 m, 0.14 mm	17267770	<a href="#">+</a>
17	3M™ Vinyl Tape 471F, Yellow, 50 mm x 33 m, 0.14 mm	17277770	<a href="#">+</a>
17	3M™ Vinyl Tape 471F, White, 50 mm x 33 m, 0.14 mm, Bulk	17287770	<a href="#">+</a>
17	3M™ Vinyl Tape 471F, Green, 50 mm x 33 m, 0.14 mm, 24 rolls per case	17297770	<a href="#">+</a>
17	3M™ Lane and Safety Marking Tape 471, Black, 50 mm x 33 m, 0.14 mm	17207780	<a href="#">+</a>
17	3M™ General Purpose Vinyl Tape 764i, Black, 50 mm x 33 m, 0.13 mm	17217780	<a href="#">+</a>
17	3M™ General Purpose Vinyl Tape 764i, Blue, 50 mm x 33 m, 0.13 mm	17227780	<a href="#">+</a>
17	3M™ General Purpose Vinyl Tape 764i, Red, 50 mm x 33 m, 0.13 mm	17237780	<a href="#">+</a>
17	3M™ General Purpose Vinyl Tape 764i, Yellow, 50 mm x 33 m, 0.13 mm	17247780	<a href="#">+</a>
17	3M™ General Purpose Vinyl Tape 764i, White, 50 mm x 33 m, 0.13 mm	17257780	<a href="#">+</a>
17	3M™ General Purpose Vinyl Tape 764i, Green, 50 mm x 33 m, 0.13 mm	17267780	<a href="#">+</a>
17	3M™ Ultra Durable Floor Marking Tape 971, Yellow, 51 mm x 33 m, 0.84 mm	17217790	<a href="#">+</a>
17	3M™ Ultra Durable Floor Marking Tape 971 Red, 51 mm x 33 m, 0.84 mm	17227790	<a href="#">+</a>
17	3M™ Ultra Durable Floor Marking Tape 971, White, 51 mm x 33 m, 0.84 mm	17237790	<a href="#">+</a>
17	3M™ Ultra Durable Floor Marking Tape 971, Blue, 51 mm x 33 m, 0.84 mm	17247790	<a href="#">+</a>
17	3M™ Hazard Warning Tape 766i, Yellow/Black, 50 mm x 33 m, Bulk	17267790	<a href="#">+</a>
17	3M™ Hazard Warning Tape 767i, Red/White, 50 mm x 33 m	17277790	<a href="#">+</a>
17	3M™ Ultra Durable Floor Marking Tape 971, Orange, 51 mm x 33 m, 0.84 mm	17257800	<a href="#">+</a>
17	3M™ Ultra Durable Floor Marking Tape 971, Green, 51 mm x 33 m, 0.84 mm	17267800	<a href="#">+</a>
18	3M™ VHB™ Tape 4910F, Transparent, 19 mm x 11 m, 1.0 mm, Blister	17227800	<a href="#">+</a>
18	3M™ VHB™ Tape 4991F, Grey, 19 mm x 5.5 m, 2.5 mm, Blister	17237800	<a href="#">+</a>
18	3M™ VHB™ Tapes GPH-110GF, Grey, 19mm x 11 m, 1.1 mm	17297800	<a href="#">+</a>
18	3M™ VHB™ Tape 5952, Black, 19 mm x 11 m, 1.1 mm	17287800	<a href="#">+</a>
18	3M™ VHB™ Tape 5962F, Black, 19 mm x 8 m, 1.6 mm, Blister	17277800	<a href="#">+</a>
19	3M™ Dual Lock™ Reclosable Fastener SJ355B, Black, 25 mm x 2.5 m, 5.7 mm	17247670	<a href="#">+</a>
19	3M™ Fastener Hook & Loop SJ352B, Black, 25 mm x 1.25 m, 4.4 mm, Blister IPC	17207800	<a href="#">+</a>
19	3M™ Dual Lock™ Reclosable Fastener Twin Pack SJ3540, Black, 25 mm x 2.5 m, IPC	17217800	<a href="#">+</a>
19	3M™ Extreme Sealing Tape 4411N, Translucent, 50 mm x 5.5 m, 1.0 mm, Blister IPC	17247800	<a href="#">+</a>

## 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 knowledgeable 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.



**Safety & Industrial Business Group**  
**3M United Kingdom PLC**  
**3M Centre**  
Cain Road, Bracknell  
Berkshire RG12 8HT  
[www.3m.co.uk](http://www.3m.co.uk)

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