

# Respirators for Marine Applications




Worker Safety and comfort are two of the main concerns in the development of all 3M safety products. Whenever workers perform duties in environments that require the use of respiratory protection and other safety products, we can provide the products you need.

Managers and workers know that a good safety program can also have a positive effect on performance. Safety and health regulations require that workers be informed about safety practices and specific respirator usage. As workers learn the health benefits of wearing proper respiratory protection, they may be more likely to accept safety equipment as part of the job.

Here are some of the features and advantages of 3M products:

- Comfortable fit. Lightweight, easy-to-wear.
- Minimum maintenance. Simply dispose of respirator or cartridge/filter when used to capacity. 3M low-maintenance respirators are designed to require minimum care.

- Fit flexibility. 3M respirators fit a variety of different face sizes and shapes. Assessment of a proper fit must be determined for each respirator user through an appropriate fit test.
- Better visibility. Low profile designs permit greater visibility even with eye and face protection in place.

	<b>WARNING</b>
	<p>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 part of product packaging.</p> <p><b>Important</b></p> <p>Before using these respirators, you must determine the following:</p> <ol style="list-style-type: none"> <li>1. The type of contaminant(s) for which the respirator is being selected.</li> <li>2. The concentration level of contaminant(s).</li> <li>3. Whether the respirator can be properly fitted on the wearer's face. All respirators instructions, warnings and use and time limitations must also be read and understood by the wearer before use.</li> </ol>

<b>3M™ Respirators</b>		8822 / 9322	9925 / 9928	9332 / 8835	4251	4255	3M 6000 Series Full Face Mask + 3M 6098 Filter	Jupiter™ Turbo + HT-402 headtop + P3 Filter	Jupiter™ Turbo + HT-402 headtop + A2P3 Filter	3M S-200 + 3M 6000 Series Full face
<b>Application</b>	<b>Hazard</b>									
Laying up Fibreglass	Particulate + Organic Vapour									
Fibreglass Sanding	Particulate									
Wood Sanding	Particulate									
GRP Polishing	Particulate									
Lacquer Spraying	Isocyanate									
Adhesives	Organic Vapour									
Acetone	Organic Vapour									
Metal Grinding	Particulate									
Brightwork Welding	Metal Fume + Ozone									

# Respirators

## Maintenance Free Particulate Respirators

### 3M™ 8000 Series

#### 3M™ Maintenance Free Classic Respirators

These classic respirators give effective protection against fine particulates. They are equipped with the new 3M Electret™ filters giving more comfort to users. Their convex shape, nose clip and twin-strap design offer an excellent fit over a wide range of faces.

##### 3M™ 8710E Dust Respirator

Respiratory protection against fine dust - FFP1  
 Standard : EN 149 : 2001  
 Approval : CE Marked  
 Maximum use level :  
 Assigned Protection Factor 4 x OEL  
 Nominal Protection Factor 4 x OEL



Product Ref.	Category	Respirators per case
<b>8710</b>	FFP1	240

##### 3M™ 8810 Dust/Mist Respirator

Respiratory protection against fine dust and water-based mists - FFP2  
 Standard : EN 149 : 2001  
 Approval : CE Marked  
 Maximum use level :  
 Assigned Protection Factor 10 x OEL  
 Nominal Protection Factor 12 x OEL



Product Ref.	Category	Respirators per case
<b>8810</b>	FFP2	240

#### 3M™ Maintenance Free Comfort Respirators

All these respirators are equipped with the 3M Cool Flow Exhalation valve that reduces heat build up to offer comfortable protection, particularly in hot and humid conditions. They are reliable and give effective protection against fine particulates. In addition to their comfortable, lightweight off-the-face design, they offer an excellent fit over a wide range of face sizes provided by a convex shape, nose clip and twin-strap design.

##### 3M™ 8812 Dust Respirator (valved)

Respiratory protection against fine dust - FFP1  
 Standard : EN 149 : 2001  
 Approval : CE Marked  
 Maximum use level :  
 Assigned Protection Factor 4 x OEL  
 Nominal Protection Factor 4 x OEL



Product Ref.	Category	Respirators per case
<b>8812</b>	FFP1	240

##### 3M™ 8822 Dust/Mist Respirator (valved)

Respiratory protection against fine dust and water-based mists - FFP2  
 Standard : EN 149 : 2001  
 Approval : CE Marked  
 Maximum use level :  
 Assigned Protection Factor 10 x OEL  
 Nominal Protection Factor 12 x OEL



Product Ref.	Category	Respirators per case
<b>8822</b>	FFP2	240

#### 3M™ Maintenance Free Premium Respirators

These premium respirators are made of an expanded filter area, with a unique design which reduces breathing resistance. They are equipped with the 3M Cool Flow Exhalation valve that reduces heat build-up to offer reliable comfortable protection particularly in hot and humid conditions. The soft sealing ring and adjustable straps ensure a comfortable, properly sealed fit.

##### 3M™ 8825 Dust/Mist/Metal Fume Respirator (valved)

Respiratory protection against fine dusts, oil or water-based mists and metal fume – FFP2D  
 Standard : EN 149 : 2001  
 Approval : CE Marked  
 Maximum use level :  
 Assigned Protection Factor : 10 x OEL  
 Nominal Protection Factor : 12 x OEL



Product Ref.	Category	Respirators per case
<b>8825</b>	FFP2D	50

##### 3M™ 8835 Dust/Mist/Metal Fume Respirator (valved)

Respiratory protection against fine dusts, oil or water-based mists and metal fume – FFP3D  
 Standard : EN 149 : 2001  
 Approval : CE Marked  
 Maximum use level :  
 Assigned Protection Factor : 20 x OEL  
 Nominal Protection Factor : 50 x OEL



Product Ref.	Category	Respirators per case
<b>8835</b>	FFP3D	50

# Respirators

## Maintenance Free Particulate Respirators

### 3M™ 9000 Series

#### 3M™ Maintenance Free Comfort Plus Respirators (No valve) - 9310, 9320

This new generation of respirators provides comfort without compromising performance, they are an effective protection against fine particulates. This range has a special three-panel design for an improved comfort, fit and communication. The individual package prevents contamination before use and allows easy storage. With their soft inner cover-web, they give better comfort against the skin.

##### 3M™ 9310 Dust Respirator

Respiratory protection against fine dusts – FFP1

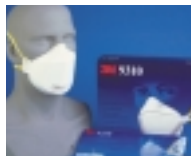
Standard : EN 149 : 2001

Approval : CE Marked

Maximum use level :

Assigned Protection Factor : 4 x OEL

Nominal Protection Factor : 4 x OEL



Product Ref.	Category	Respirators per case
<b>9310</b>	FFP1	240

##### 3M™ 9320 Dust Respirator

Respiratory protection against fine dusts and water-based mists – FFP2

Standard : EN 149 : 2001

Approval : CE Marked

Maximum use level :

Assigned Protection Factor : 10 x OEL

Nominal Protection Factor : 12 x OE



Product Ref.	Category	Respirators per case
<b>9320</b>	FFP2	240

#### 3M™ Maintenance Free Comfort Respirators (valved) - 9312, 9322, 9332

This new generation of respirators provides comfort without compromising performance, they are an effective protection against fine particulates. This range has a special three-panel design for an improved comfort, fit and communication. The individual package prevents contamination before use and allows easy storage. With their soft inner cover-web, they give a better comfort against the skin.

All these respirators are equipped with the 3M Cool Flow Exhalation valve that reduces heat build up to offer comfortable protection, particularly in hot and humid conditions.

##### 3M™ 9312 Dust Respirator (valved)

Respiratory protection against fine dusts – FFP1

Standard : EN 149 : 2001

Approval : CE Marked

Maximum use level :

Assigned Protection Factor : 4 x OEL

Nominal Protection Factor : 4 x OEL



Product Ref.	Category	Respirators per case
<b>9312</b>	FFP1	120

##### 3M™ 9322 Dust/Mist Respirator (valved)

Respiratory protection against fine dusts and water-based mists – FFP2

Standard : EN 149 : 2001

Approval : CE Marked

Maximum use level :

Assigned Protection Factor : 10 x OEL

Nominal Protection Factor : 12 x OEL



Product Ref.	Category	Respirators per case
<b>9322</b>	FFP2	120

##### 3M™ 9332 Dust/Mist/Metal Fume Respirator (valved)

Respiratory protection against fine dusts, water-based mists and metal fume – FFP3

Standard : EN 149 : 2001

Approval : CE Marked

Maximum use level :

Assigned Protection Factor : 20 x OEL

Nominal Protection Factor : 50 x OEL



Product Ref.	Category	Respirators per case
<b>9332</b>	FFP3	120

# Respirators

## Reusable Gas & Vapour Respirators

### 3M™ 4000 Series

#### 3M™ 4000 Series Maintenance Free Reusable Respirators - 4251, 4255

The 4000 series are a range of integral construction respirators designed for effective and comfortable protection against many gases, vapours and combinations of particulate hazards found throughout the Marine industry.

- Maintenance free design for maximum safety and simplicity
- 2 large bonded carbon filters for low breathing resistance
- Low profile design for better peripheral vision
- Low resistance parabolic valve to reduce heat build-up
- Soft/Non-allergenic face piece material
- Lightweight & well balanced design
- Cradle head harness
- Easy fasten neck strap

#### 3M™ 4251

Respiratory protection against organic vapours and particulates - FFA1P2D  
 Standard : EN 405 : 2002  
 Approval : CE Marked  
 Maximum use level :  
 Organic Vapours up to 10 OEL or 1000 ppm whichever is the lower  
 Particulates up to 10 x OEL



Product Ref.	Category	Respirators per case
<b>4251</b>	FFA1P2D	10

#### 3M™ 4255

Respiratory protection against organic vapours and particulates - FFA2P3D  
 Standard : EN 405 : 2002  
 Approval : CE Marked  
 Maximum use level :  
 Organic Vapours up to 10 x OEL or 5000 ppm whichever is the lower  
 Particulates up to 50 x OEL



Product Ref.	Category	Respirators per case
<b>4255</b>	FFA2P3D	10

#### Accessories

- 3M™ 400 Over-spray Guard : prolongs service life by reducing clogging of the particulate filters during spray application
- 3M™ 401 Rigid Storage Box with belt hook
- 3M™ 106 Soft Carry Case
- 3M™ 105 Face Seal Cleaner

### 3M™ 6000 Series

#### 3M™ 6000 Series Reusable Respirators - Half Masks & Full Face Masks

The 6000 series are a range of integral construction respirators designed for effective and comfortable protection against many gases, vapours and combinations of particulate hazards found throughout the Marine industry.

#### 3M™ 6000 Series Half Masks

- 3 sizes : 6100 : small ; 6200 : medium ; 6300 : large
- Twin filter design provides low breathing resistance
- Soft, lightweight elastomeric face piece
- Face piece easy to clean and supplied with a storage bag
- Cost-effective replacement filters
- Unique 3M Bayonet filter fixing system
- Low maintenance
- EN 140 : 1998 / CE marked



Note : Read all product instructions before use

Product Ref.	Description	Respirators per case
<b>6100</b>	Half Face Mask - Small	8
<b>6200</b>	Half Face Mask - Medium	8
<b>6300</b>	Half Face Mask - Large	8



#### 3M™ 6000 Series Full Face Masks

- 3 sizes : 6700 : small ; 6800 : medium ; 6900 : large
- Twin filter design provides low breathing resistance
- Extremely lightweight (450 g)
- Wide field of vision
- Polycarbonate lens is scratch and impact resistant to EN 166 : B
- Speech transmission zone
- Cost-effective replacement filters
- Unique 3M Bayonet filter fixing system
- Low maintenance
- EN 136 Class 1 / CE marked



Note : Read all product instructions before use

Product Ref.	Description	Respirators per case
<b>6700</b>	Full Face Mask - Small	4
<b>6800</b>	Full Face Mask - Medium	4
<b>6900</b>	Full Face Mask - Large	4

# Respirators

## Reusable Gas & Vapour Respirators

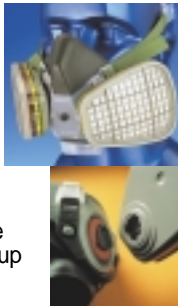
### 3M™ 7000 Series

#### 3M™ 7000 Series Reusable Respirators - Half Masks & Full Face Masks

The 3M™ 7000 series are reusable respirators with fully replaceable parts for maximum durability and quality. These respirators incorporate the 3M Bayonet Filter fixing system enabling a wide range of filters to simply click into place.

#### 3M™ 7000 Series Half Masks

- Available in 2 materials & 2 sizes  
Natural rubber : 7002 : medium ; 7003 : large  
Silicone rubber : 7501 : small ;  
7502 : medium ; 7503 : large
- Reusable respirator with replaceable parts
- Twin filter design provides low breathing resistance
- 7500 Series are equipped with the new strap design that improves comfort
- Texture nose cup reduces face piece slippage and skin irritation caused by respiration build-up
- Unique 3M Bayonet filter fixing system
- Low maintenance
- EN 140 : 1998 / CE marked



Product Ref.	Description	Respirators per case
<b>7002</b>	Natural rubber Half Mask - Medium	10
<b>7003</b>	Natural rubber Half Mask - Large	10
<b>7501</b>	Silicone Half Mask - Small	10
<b>7502</b>	Silicone Half Mask - Medium	10
<b>7503</b>	Silicone Half Mask - Large	10

#### 3M™ 7907S Series Full Face Masks

- Durable Silicone face piece material
- Double face sealing gasket ensures a good fit for most face sizes
- Speech diaphragm improves communication
- Lightweight
- Polycarbonate lens is scratch and impact resistant to EN 166 : B
- Unique 3M Bayonet filter fixing system
- EN 136 Class 1 / CE marked



Product Ref.	Description	Respirators per case
<b>7907S</b>	Silicone Full Face Mask	1

# Respirators

## Filters for 6000 & 7000 Series Respirators

### Gas & Vapour Filters

#### 3M™ 6000 Cartridges Filters Series

These cartridges can be used with 6000 and 7000 Series Half and Full Face masks with bayonet attachments that ensure precise and secure locking. They are lightweight, and well balanced when fitted to a mask. They also ensure an excellent field of vision as a result of the unique trapezoidal shape.



All 6000 Series filters can be used in combination with 5000 series and 2000 series particulate filters. EN 141 / CE marked

Product Ref.	Description	Filters Per Case
<b>6051</b>	20	8
<b>6055</b>	20	8
<b>6099</b>	20	8

### Particulate Filters

#### 3M™ 5000 series for use on cartridges with 3M™ Retainer 501

These filters feature cake-resistant filter media for easy breathing and lint-resistant coating to help exacting results during all types of operations (painting for example).

Used in combination of the 6000 series filters, they are snapped on the 501 filter retainer. Extremely lightweight, they ensure an excellent field of vision.

EN 143 / CE marked.



Product Ref.	Description	Filters Per Case
<b>5911</b>	20	8
<b>5925</b>	20	8
<b>5935</b>	20	8
<b>501 Filters Retainer</b>	20	8

#### 3M™ 2000 Series for use on bayonet system or with 3M™ 502 Adapter

Lightweight and easy to use, the 2000 series filters are designed for application such as grinding or sanding. Used in combination with the 6000 series filters, they are snapped on the 502 adapter. Extremely lightweight, they give an excellent field of vision and a low breathing resistance.



These filters are equipped with bayonet attachment that ensures precise and secure locking. EN 143 / CE marked.

Product Ref.	Description	Filters Per Case
<b>2125</b>	20	8
<b>2135</b>	20	8
<b>502 Filters Adapter</b>	20	8

# Respirators

## Powered-Air Respirators

### 3M™ Jupiter™ System

The slim, compact Jupiter Turbo Unit's advanced design features and use of lighter, stronger materials, make it the safest, most comfortable and versatile powered air unit ever developed.

**Maximising the Comfort Factor** : The small, powerful, efficient and lightweight NiMH (Nickel Metal Hydride) battery sits unobtrusively inside the turbo, giving the unit its unique low profile. This allows greater freedom of movement and a feeling that it's almost not there.

**Universally Adaptable** : The Jupiter Turbo Unit connects to a choice of 2 breathing tubes for light or heavy duty use and 18 different headtop options including hardhats, bump cap, visors and welding shields.

The choice of 5 filter types offers protection against many airborne hazards including particulates or gases and vapours and a combination of these hazards. Filters are easy to change and can be fitted with optional caps for extra protection against sparks or chemical splash.

**Easy to Use...Easy to Maintain** : The twin filters feature a unique half-turn attachment, allowing an easier and safer connection.

Total protection is assured as the unit incorporates all the latest safety features. An electronic flow control within the turbo, gives audible and visual warnings of low battery and low airflow.

EN 12941 / CE marked. TH2 Category



Product Ref.	Description	Quantity per case
<b>56012</b>	Jupiter Turbo (Comfort Belt + Electronic airflow control)	1

#### Chargers

<b>56443</b>	Intelligent charger	1
<b>56002</b>	Simple charger	1

#### Batteries

<b>56441</b>	4 hour battery	1
<b>56442</b>	8 hour battery	1

#### Filters

<b>56017</b>	Filter P	24
<b>56018</b>	Filter A2P	12
<b>56030</b>	Filter A2BEKP	12
<b>56018</b>	Filter KP	12
<b>56018</b>	Filter ABEP	12



### 3M™ Dustmaster™ Air Filter Unit

The Dustmaster system provides protection against airborne particulates, nuisance odours & welding fumes. Dustmaster powered respirators are simple

and easy to use, yet deliver the performance you require, with the reliability and durability you expect.

Wipe clean, belt-mounted air filter unit, enclosing motor-fan, battery & long-life filter.

Lightweight, 8 hour battery and lightweight hose for all applications.

The air-filter unit fits all Dustmaster headtops – no need for adaptors or different filter arrangements.

EN 146 rev. / CE marked. TH2 Category



Product Ref.	Description	Quantity per case
<b>52623</b>	Dustmaster + Battery + P2 filter + airflow control	1

#### Chargers

<b>52599</b>	Simple charger	1
--------------	----------------	---

#### Batteries

<b>52600</b>	Dustmaster battery	1
--------------	--------------------	---

#### Filters

<b>56451</b>	Filter P2	5
<b>56449</b>	Filter P2 + odours	5
<b>56450</b>	Filter P3	5

# Respirators

## Powered-Air Respirators

### 3M™ Accessories

2 types of hoses are available : rubber and PU. These hoses are supplied with the Quick Release Swivel that is designed to allow quick release of headtops, quick connection of headtops and headtops to rotate on air tube preventing twists in air tube. A wide range of new headtops is also available for these systems with various features : lightweight products, acetate visor, neck seals....etc.



#### Hoses

Product Ref.	Description	Quantity per case
<b>56284</b>	Rubber hose QRS	3
<b>56283</b>	PU hose QRS	3

### HT-121 & HT-125 headtops

Two chemical-resistant, taped-seam hoods in Tychem SL™ with choice of neck-seal design

- Unique design with durable head cradle/breathing tube connector and disposable hood
- Choice of knitted elasticated neck-seal (HT-121), or inner bib to tuck into overalls (HT-125)
- Wide field of view
- Inner air-duct for most comfortable and effective air-flow
- Modular headtop with QRS connector for use with modular air-sources



Product Ref.	Quantity per case
<b>HT-121</b>	1
<b>HT-125</b>	1

### HT-101 headtop

- Exceptionally lightweight headcover
- Disposable headcover in white polypropylene material
- Wide-view visor
- Modular headtop with QRS connector for use with modular air-sources
- Protects eyes, face & hair
- Visor : acetate (non impact)
- 90g PVC coated nylon



Product Ref.	Quantity per case
<b>HT-101</b>	3

### HT-401 & HT-402 headtops

Two clear-view flip-up visor headtops with choice of polycarbonate or acetate visors

- Wide-view visors
- HT-402 (with polycarbonate visor) ideal for grinding, sanding, or other applications requiring medium impact eye protection (EN166:B)
- HT-401 (with acetate visor) ideal for paint-spray, working with glass-fibre/resins or other applications where a balance of chemical resistance and eye impact protection (low energy : EN166:F) is required
- Optional hood covers hair and neck
- Visor overlays maintain clear/view
- Modular headtops with QRS connector for use with modular air-sources



Product Ref.	Quantity per case
<b>HT-401</b>	1
<b>HT-402</b>	1

### HT-103 headtop

- Lightweight headcover from durable grey nylon fabric
- Face, hair and respiratory protection
- Wide view visor
- Modular headtop with QRS connector for use with modular air-sources
- Visor : acetate (non impact)
- 90g Spun bonded polypropylene - washable



Product Ref.	Quantity per case
<b>HT-103</b>	1

### HT-111 & HT-115 headtops

- Unique design with durable head cradle/breathing tube connector and disposable hood
- Choice of knitted elasticated neck-seal (HT-111), or inner bib to tuck into overalls (HT-115)
- Wide field of view
- Inner air-duct for most comfortable and effective air-flow
- Modular headtop with QRS connector for use with modular air-sources



Product Ref.	Quantity per case
<b>HT-111</b>	1
<b>HT-115</b>	1

# Respirators

## Supplied-Air Respirators

3M has developed a complete new range of Supplied-Air Respirators with new products and a new way of choosing your system. This range gives you the widest choice of headtops (range also compatible with the air-powered systems), supplied-air belt units, breathing tubes and supplied-air accessories. Think 3M, think quality of life.

### 3M™ S-200™ Supplied-Air System For Full & Half Masks

The S-200 is the most comfortable and versatile system. It can be used with any of the 4 series of 3M Bayonet facepieces : 6000 half and full face masks, 7000 half masks and 7907 full face masks. You can adjust the flow to the most comfortable level within safe limits. You can use this system as a standard airfed respirator, or in dual-mode with filter back up. The breathing tube is back-mounted, eliminating interference in your work and connections to the belt-mounted regulator are all ergonomically designed. A spray gun can be fitted to the regulator requiring only one supply hose. EN 139 / CE marked.



Product Ref.	Description	Quantity per case
<b>S-200</b>	Supplied Air System (Regulatory assistance + Belt + Breathing Tube + Overflow Valve)	1
<b>AFU 500GR</b>	Purification panel – wall mounted	1
<b>AFU 500GR</b>	Purification panel – free standing	1
<b>52073</b>	3 Filters for AFU 500GR	1
<b>C251</b>	Air Supply Hose – 10m / 20m / 30m	1

### 3M™ Flowstream™ Supplied-Air System

Flowstream offers extremely stable airflow and control right from 2,5 to 8 bar. This means that the wearer can achieve just the right airflow for optimum comfort by adjusting the belt regulator control, despite variation in line pressure caused by other users of the compressed-air system. Air tools can be connected to the auxiliary port and will not cause variation in headtop airflow. Flowstream can be used with a wide range of headtops for a very wide range of applications – all meet EN 1835.



Product Ref.	Description	Quantity per case
<b>56249</b>	Flowstream regulator	1
<b>AFU 500GR</b>	Purification panel – wall mounted	1
<b>AFU 500GR</b>	Purification panel – free standing	1
<b>56522</b>	Air Supply Hose – 30m	1
<b>52073</b>	3 Filters for AFU 500GR	1



# Hearing Protection Products

## 3M™ Foam Ear Plugs

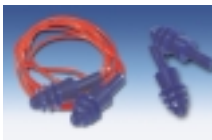
Use to protect hearing from loud and constant noises generated by grinding, sanding, buffing, engine work and other marine operations. Ear Plugs provide comfortable and effective noise reduction with the convenience of disposability. Available as individual ear plugs or with a cord attached that provides accessibility and helps prevent loss.  
EN 352-2 / CE marked.  
SNR 31db.



Product Ref.	Description	Pairs Per Box	Boxes Per Case
<b>1100</b>	Ear Plug	200	5
<b>1110</b>	Corded Ear Plug	100	5

## 3M™ Reusable Ear Plugs

Reusable Ear Plugs offer comfortable and reliable hearing protection. With a triple flanged design, Reusable Ear Plugs fit securely in the ear canal, providing a comfortable fit. Reusable Ear Plugs do not have to be "rolled down" to achieve proper fit. This provides greater hygiene, as the worker's hands need not touch the portion of the ear plug being inserted into the worker's ear. Available as individual ear plugs or with a cord attached that provides accessibility and helps prevent loss. Reusable Ear Plugs are also available with a convenient storage and carrying case.  
EN 352-2 / CE marked.  
SNR 30db.



Product Ref.		Pairs Per Box	Boxes Per Case
<b>1220</b>	Reusable small size	50	4
<b>1225</b>	Reusable large size	50	4
<b>1230</b>	Reusable, corded, small size	50	4
<b>1235</b>	Reusable, corded, large size	50	4

## 3M™ Banded Hearing Protectors

Banded Hearing Protectors have a unique flexible band design that allows greater ease of use and low pressure over a wide range of head sizes for superior comfort and effective noise reduction. Banded Hearing Protectors are designed to reduce contact with clothing and skin lessening noise transmission. Round foam tips do not enter the ear and allow for potentially better hygiene. Banded Hearing Protectors are compatible with other safety products.  
EN 352-2 / CE marked.  
SNR 26db.



Product Ref.	Each Per Box	Boxes Per Case
<b>1310</b>	10	5

Product Ref.	Pairs Per Box	Boxes Per Case
<b>Replacement Pads*</b>		
<b>1311</b>	20	5

\* For use with 1310 Banded Hearing Protectors

## 3M™ General Purpose Ear Muff 1435

This Ear Muff is safety orange in color. It has a forked adjustable headband for fit and comfort. The moulded noise suppression inserts and ear cushions are replaceable.  
EN 352-1 / CE marked.  
SNR 25db.



Product Ref.	Pairs Per Case
<b>1435</b>	20

## 3M™ Replacement Parts Kit 1437 (for Ear Muff 1435)

This kit consists of one pair noise suppression inserts and one pair ear cushions.



Product Ref.	Pairs Per Case
<b>1437</b>	20

## 3M™ Ear Muff 1440

This Ear Muff has a padded and adjustable headband for added comfort and proper fit. Anatomically designed ear cushion for fit. The moulded noise suppression inserts and ear cushions are replaceable.  
EN 352-1 / CE marked.  
SNR 27db.



Product Ref.	Pairs Per Case
<b>1440</b>	20

## 3M™ Replacement Parts Kit 1442 (for Ear Muff 1440)

This kit consists of one pair noise suppression inserts and one pair of ear cushions.



Product Ref.	Pairs Per Case
<b>1442</b>	20

# Head, Eye and Face Protection

## 3M™ Head and Face Protection Products

Head and Face Protection Products are designed to enhance safety in the work place. In addition, they combine personal comfort, and a fashionable appearance with overall value. All 3M™ Head Protection Products feature lightweight high-density polyethylene moulding, fully cushioned brow pads for moisture absorption, and a 6 point suspension harness.

### 3M™ 1465 Safety Helmet

High resistance to UV light and chemicals. These helmets are equipped with a 6 point adjustable textile harness, sweat band and deep neck strap. Provides high comfort and safety to the user.

Material : Polyethylene HD  
 Weight : 350 gm  
 Approvals : EN397 LD,  
 MM, -30°, 440 vac

Available in : White, Yellow, Blue, Orange, Green



### 3M™ 1460 Helmet/Muff kit

The 3M1460 includes a white 1465 helmet and a pair of 1450 muffs. Purpose designed edge profile to ensure perfect fit with 3M muffs. The first combination approved for all head sizes, for unique comfort and protection.

Attenuation : 26 dB (SNR)  
 Combined weight : 595 gm  
 Approvals : EN397, EN352-3



Product Ref.	Units Per Case
1460 Helmet/Muff kit	6

Product Ref.	Units Per Case
1465 Safety Helmet	20

# Fluid Recovery Products

## 3M™ Environmental Safety Products

3M Sorbents help contain and control potentially dangerous spills of oil and petrol . . . but repel water! 3M Sorbents go to work immediately so there's less exposure to you and others and less risk to the environment. 3M Sorbents are available in several different forms to meet most of your needs. Pads have a convenient size and allow the user to quickly spread sorbent on and in the path of a spill. Rolls are designed to cover large areas, they are perfect for lining drawers, covering workbenches or masking areas from oversprays. Sorbent booms are recommended for controlling and absorbing spills and effluent discharges in ditches, streams, rivers, lakes, and terminal docks and piers. Booms are designed for long term deployment.



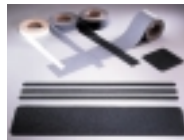
Product Ref.	Size / Sorbent Capacity	Quantity Per Case
<b>Rolls</b>		
<b>T100</b>	44 x 96cm 276 litres	1
<b>HP100</b>	44 x 96cm 190 litres	1
<b>Pads</b>		
<b>T151</b>	43 x 48 x 0,7cm 150 litres	200
<b>T156</b>	43 x 48 x 1,4cm 135 litres	100
<b>HP156</b>	43 x 48cm 100 litres	100
<b>Sorbent Booms</b>		
<b>T270</b>	3m x diam. 20cm 260 litres	4



# Slip Resistant Products

## 3M™ Safety-Walk™ General Purpose B2

Safety-Walk General Purpose Slip Resistant Surfacing is a high-friction textured material. It consists of abrasive mineral particles bonded by a tough, durable polymer to a dimensionally stable plastic film. The backing is coated with a pressure-sensitive adhesive covered by a removable protective liner.



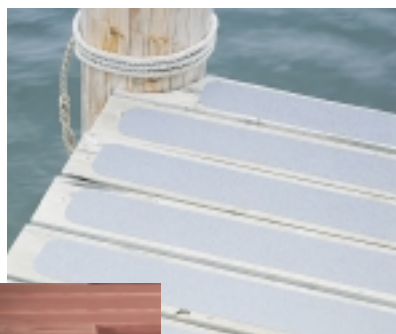
Product Ref.	Size	Color	Rolls per Case
S.W. B2	19mm x 18,3m	Black	4
S.W. B2	25mm x 18,3m	Black	4
S.W. B2	51mm x 18,3m	Black	2
S.W. B2	102mm x 18,3m	Black	1
S.W. B2	152mm x 18,3m	Black	1
S.W. B2	602mm x 18,3m	Black	1
S.W. B2	19mm x 18,3m	Clear	4
S.W. B2	25mm x 18,3m	Clear	4
S.W. B2	51mm x 18,3m	Clear	2
S.W. B2	102mm x 18,3m	Clear	1
S.W. B2	152mm x 18,3m	Clear	1

## 3M™ Safety-Walk™ Resilient-Wet Area (WA)-Medium Grade

Safety-Walk Medium Grade Resilient Slip Resistant Surfacing is a high-friction resilient textured material. The product consists of a dimensionally stable plastic film coated with a textured resilient surface. The reverse surface is coated with a pressure-sensitive adhesive covered by a removable protective liner.



Product Ref.	Size	Color	Rolls per Case
S.W. W.A.	25mm x 18,3m	Grey	4
S.W. W.A.	51mm x 18,3m	Grey	2
S.W. W.A.	102mm x 18,3m	Grey	1
S.W. W.A.	152mm x 18,3m	Grey	1
S.W. W.A.	25mm x 18,3m	Black	4
S.W. W.A.	51mm x 18,3m	Black	2
S.W. W.A.	102mm x 18,3m	Black	1
S.W. W.A.	152mm x 18,3m	Black	1



## 3M™ Safety-Walk™ Resilient -Wet Area (W.A.) - Fine Grade

Safety-Walk Fine Grade Resilient Slip Resistant Surfacing is a high-friction resilient textured material. The product consists of a fine textured resilient top surface. The reverse side is coated with a pressure-sensitive adhesive covered by a removable protective liner.



Product Ref.	Size	Color	Rolls per Case
S.W. W.A.	25mm x 18,3m	White	4
S.W. W.A.	51mm x 18,3m	White	2
S.W. W.A.	102mm x 18,3m	White	1
S.W. W.A.	152mm x 18,3m	White	1
S.W. W.A.	25mm x 18,3m	Clear	4
S.W. W.A.	51mm x 18,3m	Clear	2

## 3M™ Safety-Walk™ Conformable Slip Resistant Surfacing

Safety-Walk Conformable Slip Resistant Surfacing is a high-friction textured material. It consists of abrasive particles bonded by a tough, durable polymer to an aluminum foil backing. The backing is coated with a pressure-sensitive adhesive covered by a removable protective liner.



Product Ref.	Size	Color	Rolls per Case
S.W.	51mm x 18,3m	Black	2
S.W.	102mm x 18,3m	Black	1
S.W.	152mm x 18,3m	Black	1



## 3M™ Safety-Walk™ Adhesive/Primer

The product is a liquid solvent-based adhesive applied to porous surfaces before applying slip resistant products.



Product Ref.	Size	Units per Case
4475	150ml	12
4475	1l	6

## 3M™ Safety-Walk™ Edge Sealing Compound

Edge Sealing Compound is a liquid solvent-based sealer in a convenient tube applicator. The product seals the exposed edges of Safety-Walk Slip Resistant products providing extra protection from excessive moisture or liquids.



Product Ref.	Size	Units per Case
14080	150ml	12

# Floor and Deck Matting

## 3M™ Nomad™ Terra 6050 Matting

Nomad Scraper Matting 6050 is a non-woven open matting formed from continuous vinyl filaments. The mat has an integral fused, all-vinyl foam backing to form a comfortable, cushioned walking surface. This construction provides anti-fatigue as well as dirt trapping and collecting properties. Available in many colours : Ebony black, Slate grey, Concrete grey, Chestnut brown, Dove brown, Chocolate brown, Silver grey, Sea grey, Navy blue, Forest green, Oxide red.



Product Ref.	Size	Thickness	Rolls per Case
Terra 6050	0,9m x 6m	9,0mm	1
Terra 6050	1,2m x 6m	9,0mm	1



## 3M™ Nomad™ Terra 8100 & 8150 Matting

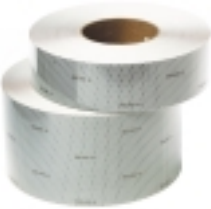
This matting is suitable for high traffic volumes. An unbacked (8100) or a backed (8150), vinyl matting ideal for use outdoors and/or in recessed wells. Durable coiled web structure removes, traps and hides high amounts of dirt. High quality vinyl offering excellent crush resistance. Available in many colours : Ebony black, Slate grey, Concrete grey, Chesnut brown, Dove brown, Chocolate brown, Silver grey, Sea grey, Navy blue, Forest green, Oxide red.

Product Ref.	Size	Thickness	Rolls per Case
Terra 8100	0,9m x 6m	16,0mm	1
Terra 8100	1,2m x 6m	16,0mm	1
Terra 8150	0,9m x 6m	11,0mm	1
Terra 8150	1,2m x 6m	11,0mm	1

# 3M™ Scotchlite™ Reflective Products

## 3M™ Scotchlite™ Reflective Sheeting High Intensity SOLAS Grade 3150A

Scotchlite High Intensity SOLAS (Safety Of Life At Sea) Grade Reflective Sheeting 3150A is a flexible, encapsulated lens, highly-reflective material, precoated with an improved aggressive pressure-sensitive adhesive. The sheeting remains highly reflective when totally wet as well as when viewed at wide entrance angles. The reflective sheeting is designed for nighttime visibility of life support equipment. It conforms well for application on flexible or rigid substrates used in life support equipment (life rafts, jackets, vests, etc). The sheeting has been successfully applied to most nylon, cotton, rubber and laminated or coated combinations of these materials normally used in the manufacture of life support equipment. Material is Coast Guard and IMO Certified.



# 3M™ Thinsulate™ Thermal & Acoustic Insulation

## 3M™ Thinsulate™ Thermal and Acoustic Insulation

Thinsulate Acoustical Insulation is a non-woven mat that has excellent sound-absorbing and thermal properties useful in many marine interior applications. It is compressible, non-linting, lightweight, hydrophobic (does not absorb moisture) and it can be easily cut.

Thinsulate uses 3M's patented microfibre technology to combine polyolefin and polyester fibres to deliver excellent sound absorbing & thermal properties. Polyester fibres provide loft and resilience, while polyolefin fibres provide superior sound absorption.

Weight is one of the challenges to innovative design. It can jeopardize speed, fuel efficiency and handling - not to mention the detrimental effects on draft and engine requirements - in the most innovative vessels. When compared to insulation of comparable acoustic performance, Thinsulate MA Acoustic Insulation is nearly half the weight of its nearest competitor, making it the lightest acoustic insulation available on the market.

Features	Advantages	Benefits
Patented construction	<ul style="list-style-type: none"> <li>• Excellent sound absorber (500hz +)</li> <li>• Excellent thermal insulating properties</li> </ul>	<ul style="list-style-type: none"> <li>• Quieter Yacht</li> <li>• Saves energy (heater), so saves money</li> </ul>
Extremely Lightweight	<ul style="list-style-type: none"> <li>• Lighter boat</li> </ul>	<ul style="list-style-type: none"> <li>• Faster boat</li> <li>• Energy savings (petrol.) and therefore cost savings</li> </ul>
Hydrophobic	<ul style="list-style-type: none"> <li>• Minimise deterioration</li> <li>• No moisture and mildew development</li> </ul>	<ul style="list-style-type: none"> <li>• Saves repairs</li> <li>• Healthy environment</li> </ul>
Thinner	<ul style="list-style-type: none"> <li>• Takes up less space</li> </ul>	<ul style="list-style-type: none"> <li>• Roomier boat</li> </ul>
Safe material - No hazardous fibres	<ul style="list-style-type: none"> <li>• Nicer to handle</li> </ul>	<ul style="list-style-type: none"> <li>• Happier workers</li> </ul>

Product Ref.	Description	Size	Roll per Case
MA 4700	400 gm White/No Scrim	152,40cm x 27,43m (41,80 m <sup>2</sup> )	1
MA 4700	400 gm White/No Scrim	76,20cm x 82,30m (62,71 m <sup>2</sup> )	1
MA 4700	400 gm White/No Scrim	152,40cm x 82,30m (125,42 m <sup>2</sup> )	1
MA 4710	400 gm Black/Scrim	152,40cm x 27,43m (41,80 m <sup>2</sup> )	1
MA 4710	400 gm Black/Scrim	76,20cm x 114,30m (87,10 m <sup>2</sup> )	1
MA 4710	400 gm Black//Scrim	152,40cm x 114,30m (174,20 m <sup>2</sup> )	1
MA 4720	400 gm White/Scrim	152,40cm x 27,43m (41,80m <sup>2</sup> )	1
MA 4720	400 gm White/Scrim	76,20cm x 114,30m (87,10m <sup>2</sup> )	1
MA 4720	400 gm White/Scrim	152,40cm x 114,30m (174,20m <sup>2</sup> )	1

Product Ref.	Description	Size	Roll per Case
MA 4720M	400 gm White/Scrim Metal PET Lam	127,00cm x 27,43m (34,84 m <sup>2</sup> )	1
MA 4720M	400 gm White/Scrim Metal PET Lam	63,50cm x 68,58m (43,55 m <sup>2</sup> )	1
MA 4720M	400 gm White/Scrim Metal PET Lam	127,00cm x 68,58m (87,10 m <sup>2</sup> )	1
MA 6710	600 gm Black/Scrim	152,40cm x 27,43m (41,80m <sup>2</sup> )	1
MA 6710	600 gm Black/Scrim	76,20cm x 68,58m (52,26m <sup>2</sup> )	1
MA 6710	600 gm Black/Scrim	152,40cm x 68,58m (104,51m <sup>2</sup> )	1
MA 6720	600 gm White/Scrim	152,40cm x 27,43m (41,80m <sup>2</sup> )	1
MA 6720	600 gm White/Scrim	76,20cm x 68,58m (52,26m <sup>2</sup> )	1
MA 6720	600 gm White/Scrim	152,40cm x 68,58m (104,51m <sup>2</sup> )	1
MA 6720M	600 gm White/Scrim Metal PET Lam	63,50cm x 45,72m (29,03 m <sup>2</sup> )	1
MA 6720M	600 gm White/Scrim Metal PET Lam	127,00cm x 27,43m (34,84 m <sup>2</sup> )	1
MA 6720M	600 gm White/Scrim Metal PET Lam	127,00cm x 45,72m (58,06 m <sup>2</sup> )	1

