

**3M** Science.  
Applied to Life.™



3M™ Scotch™ Sprays

**Reliability  
without  
compromise.**

# Scotch™ Sprays

Day to day maintenance of electrical and electronic equipment is essential for increasing length of service in the field. The wide range of Scotch™ sprays from 3M provide easy to use assistance in insulating, cleaning and protection for any electrical maintenance programme.

All Scotch™ Sprays comply with European legal safety requirements and are available throughout electrical and electronic outlets. For datasheets and safety documentation visit our website [3M.co.uk/electrical](http://3M.co.uk/electrical).



## Protective Sprays

### 3M™ Scotch® Anti Corrosion Sprays 1600 (400ml)

Scotch™ 1600 gives highly effective anti-corrosion protection by forming an abrasion resistant coating that protects against moisture, spray salt water and other corrosive substances. In addition, it provides impact resistance to day to day running activity.

### 3M™ Scotch® Zinc Spray 1617 (400ml)

Scotch™ 1617 is a quick-drying zinc dust corrosion protection primer that provides permanent protection against rust and corrosion by bonding with the metal surfaces.

Scotch™ 1617 has excellent adhesion to iron and steel, is resistant to weathering, UV radiation, moisture, heat up to 500°C, alkaline solutions and mineral oils. It is an ideal primer for metal constructions. Compliant to salt spray test: 800/80µ acc.DIN EN ISO9227 and mandrel bending test acc. DIN EN ISO1519.



## Insulating sprays

### 3M™ Scotch® Clear Insulating Paint 1601 Spray (400ml)

Scotch™ 1601 hardens into a flexible, clear, acrylic resin based insulating film. With excellent adhesion to most common surfaces such as metal, glass, plastic, wood, etc. Scotch™ 1601 is resistant to UV-rays, acids, oil and alkalis, it is moisture and weatherproof and is especially characterized by its high dielectric strength.

### 3M™ Scotch® Coloured Insulating Paint 1602/3/4 Spray (400ml)

As Scotch™ 1601 but with the addition of colouring pigments for coloured protection, insulation or marking. 1602 = red, 1603 = black, 1604 = grey.



# Scotch™ Sprays



## Cleaning sprays

### 3M™ Scotch® Special Contact cleaner spray 1625 (400ml)

Gentle and easy to use this spray effectively loosens dirt, light oxide layers and other impurities. Scotch™ 1625 is electrically neutral and totally residue-free, making it ideal for use in almost any environment as a spray cleaner.

### 3M™ Scotch® Degreasing and Cleaning Spray 1626 (400ml)

Scotch™ 1626 is a dissolving cleaner for fats, oils, adhesive-residues, resins and tar. It is residue-free, non-corroding and with high portion of cleaning substances

### 3M™ Scotch® Compressed Air Spray 1638N (400ml)

Scotch™ 1638N Compressed Air Spray is a clear, odorless and oil-free Spray used for cleaning dust and loose dirt from electronic components and other sensitive elements. It is free of FCKWs and does not burn or ignite, with an 80cm extension tube, difficult areas can be reached easily.



## Preventative maintenance sprays

### 3M™ Scotch® Dehumidifier Spray 1605 (400ml)

Scotch™ 1605 penetrates and displaces moisture, even when frozen. It then forms a thin protective film preventing renewed ingress of moisture. Neutral toward paints, plastics, rubber and fabrics it is effective over a wide temperature range from - 45°C to + 148°C.

### 3M™ Scotch® Silicone Spray 1609 (400ml)

A general use product for preventative maintenance, protection and lubrication. Lubricates moving parts without becoming resinous. It can be used over a wide temperature range (- 32 °C to + 177 °C) providing long lasting protection against moisture and corrosion. Neutral towards paints, plastic, rubber, foamed materials, wood and fabrics.

### 3M™ Scotch® Cooling Spray 1632N (400ml)

Scotch™ 1632N Cooling Spray is used to rapidly cool various materials to -55 °C. Scotch 1632N is free of FCKW's, does not burn or ignite at ambient temperature. With the 360-degree valve and the supplied 80cm extension tube, difficult areas/points can be reached easily.

### 3M™ Scotch® Rust Remover 1633 (400ml)

Scotch™ 1633 is a general purpose spray. It loosens rust, protects against moisture and renewed oxidation, can be used ideally as a lubricant, easily releases tightly sealed bolts, and has a high penetration capacity.

### 3M™ Scotch® Multi Five 1640 (400ml)

Scotch 1640™ Multi Five is a multi-purpose spray. Due to unique additives, Scotch 1640 Multi Five provides excellent capillarity activities, lubricating, corrosion and cleaning properties, adhesion to metals and extreme low surface tension. It releases screws and removes dirt like adhesives. It displaces water immediately and has high dielectric strength allowing for use in sensitive switch connections. Multi Five spray is neutral to various surfaces such as plastic or rubber.



# Scotch™ Sprays

	Protective sprays		Insulating sprays	
	1600 Anti-Corrosion Spray	1617 Zinc Spray	1601 Sealer (clear)	1602 Sealer Red 1603 Sealer Black 1604 Sealer Grey
<b>Application</b>	<b>Corrosion protection on:</b> pipes and supports, beams, welds, cable racks, switch and control cabinets, battery containers.	Lasting protection against rust and corrosion of bare iron and steel fabrications.  Restoration and protection on galvanised metals following damage.	As a protective coating on electrical connections, switches, switchgear, terminal boards, electronic components, printed circuits, coils, windings and laminated cores.  In addition, for use on electrical equipment in vehicles and for repairing electric motors.  Also suitable as a flexible covering on construction drawings and similar items.	As a protective coating on electrical connections, switches, switchgear, terminal boards, electronic components, printed circuits, coils, and windings.  In addition, for use on electrical equipment in vehicles and for the repair of electric motors.
<b>Colour</b>	Black	Grey	Clear	Red
<b>Content</b>	400 ml	400 ml	400 ml	400 ml
<b>Base</b>	Rubber-resin	Zinc dust	Modified acrylic resin	Modified acrylic resin
<b>Temperature stability</b>	80° C	Up to 500°C	After 700 hours/+120°C	After 700 hours/+120°C
<b>Processing</b>	Build up layer thickness slowly and evenly.  No deterioration of the layer at thicknesses up to about 3mm.  When sprayed at a distance of 30 to 40 cm, an application width of 5 to 8 cm is produced.  Prior cleaning is recommended with Scotch™ 1626 or Scotch™ 1625.	Surfaces to be coated must be clean and grease free.  Prior cleaning is recommended with Scotch™ 1626 or Scotch™ 1625.	Surfaces to be coated must be clean and grease free.  Prior cleaning is recommended with Scotch™ 1626 or Scotch™ 1625.	Surfaces to be coated must be clean and grease free.  Prior cleaning is recommended with Scotch™ 1626 or Scotch™ 1625.

# Scotch™ Sprays

	Preventative maintenance sprays				
	1605 Dehumidifier Spray	1609 Silicone Lubricant	1633 Rust Remover	1640 Multi-Five Spray	1632 Cooling Spray
<b>Application</b>	<p>Electrical and electronic equipment, switches, relays, motors, batteries, ignition systems, tools, instruments, threads.</p> <p>It prevents leakage currents and oxidations, dissolves resinous substances and displaces moistures.</p>	<p><b>Lubrication:</b> electrical equipment, locks, hinges, other moving parts.</p> <p><b>Protection:</b> moisture and corrosion, plant equipment, polished surfaces and shafts, plastic, rubber.</p>	<p>Inhibits rust and corrosion.</p> <p>For permanent lubrication of bolted fastenings, all kind of guides and sliding surfaces, as lubrication for Bowden cables, chains, hinges and many other movable metal connections, as an assembling aid in industry and handcraft.</p>	<p>Multi-use spray for lubricating, corrosion and cleaning and water displacement in electrical applications and protect contacts from oxidation.</p>	<p>Supercooling within seconds to -55°C for thermal troubleshooting in electronics, checking thermocouples and thermostats, cooling overheated components, cooling of engine components and general maintenance.</p>
<b>Colour</b>	Beige	Clear	Clear	Clear	Clear
<b>Content</b>	400 ml	400 ml	400 ml	400 ml	400 ml
<b>Base</b>	Trated heavy naphthenic petroleum distillate	Silicone oil	Mineral oil Molybdenum sulfide	Special additives	N/A
<b>Temperature stability</b>	-74°C to + 175°C	-32°C to + 177°C	N/A	N/A	N/A
<b>Processing</b>	<p><b>Dehumidification:</b> Spray a thin film onto the surface. After about 30 seconds, the moisture will dry out. Where necessary, repeat the process.</p> <p><b>Corrosion protection:</b> Apply a medium thick film, where necessary, repeat the process.</p> <p><b>Defrosting:</b> Apply a thick layer. After 15 to 30 seconds, repeat where necessary. The enclosed spray pipe permits access to difficult to reach areas. Do not spray on windings of electrical motors and insulations - ingredients dissolves resins!</p>	<p>The enclosed spray pipe permits access to difficult to reach areas. Prior cleaning is recommended with Scotch™ 1626 or Scotch™ 1625.</p>	<p>Spray specifically onto affected areas and allow to act. The process may have to be repeated for stubborn corrosion.</p>	<p>The surfaces of the parts should be cleaned before spraying. Spray uniformly and generously. Repeat, if necessary. A tube is attached to the can, for those parts that are difficult to reach. Repeat spraying also from time to time to keep full effectiveness. For the removal of Scotch™ 1640 Multi Five most of the commercially available cleaning agents can be used.</p>	<p>By applying short sprays burst on to the source of the problem, the alternation of hot and cold will assist in diagnosis. The enclosed spray pipe permits access to even the hardest to reach areas.</p>

# Scotch™ Sprays

	Cleaning sprays		
	1625 Special Contact Cleaner	1626 Degreasing Spray	1638 Compressed Air
<b>Application</b>	Switches, relays, instrumentation, time switches, computer heads, light-duty contacts for video and magnetic heads.	Ideal for dissolving greases, oils, resins and tar everywhere on electrical equipment, switches, safety cut-outs, motors and generators.	Ideal for the removal of debris and contaminants from delicate and inaccessible areas of electrical and electronic equipment.
<b>Colour</b>	Clear	Clear	N/A
<b>Content</b>	400 ml	400 ml	400 ml
<b>Base</b>	N/A	N/A	N/A
<b>Temperature stability</b>	N/A	N/A	N/A
<b>Processing</b>	<p>By brief periodic spraying, dissolved impurities are cleaned away.</p> <p>Best results are obtained where the item to be sprayed on is at room temperature.</p> <p>The supplied spray pipe permits access to difficult to reach areas.</p> <p>This contact cleaning spray may corrode rubber.</p>	<p>Spray uniformly and allow to act.</p> <p>Simply wipe dirt away.</p> <p>Where necessary, repeat the process.</p> <p>Can attack plastics.</p>	<p>The enclosed spray pipe permits access to even the hardest to reach areas.</p>



For further information  
or to contact us, please visit  
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