



Tel: +44 (0) 1732 773 364
www.specialisttapes.com

Campbell International - Company Profile

Established in 1927 by Ian McIvor Campbell, now owned by his grandson Bruce Campbell Dennison.

The company supplied packaging tape from the start but in the 1960's, having carefully studied the UK market moved into specialist tapes. From this time we supplied throughout the UK, but in the 1970's we started to export, in particular our wide range of Pipeline Identification Tapes. Our stock now consists of probably the widest and most diverse range of this type of tape in the UK.

We now supply our tape to Europe, Asia and African continents.

Our range has increased to include printed pipeline tapes, hospital gas tapes, medical tapes, hazard tapes, underground warning tape, ductwork identification triangles, barrier tapes, cloth tapes, masking tape, anti slip tapes, double sided tapes. PVC tapes, packaging tapes, reflective tapes, and plug wiring identification tapes.

Contents

Pipeline Identification Tape	4
How To Apply Tape	4
Standard Indoor Pipeline Identification Banding Tape	5
All Weather Outdoor Pipeline Identification Banding Tape	5
Standard Colours	6
Banded Tapes	6
ISO 14726 Marine Identification Chart	7
Stocked White Printed Indoor Pipeline ID Tape	8
Stocked Clear Printed Indoor Pipeline ID Tape	14
Stocked Coloured Printed Indoor Pipeline ID Tape	14
Stocked White Printed All Weather Pipeline ID Tape	20
Stocked Coloured Printed All Weather Pipeline ID Tape	20
Hospital Tapes	21
Banded Tapes	22
Health and Safety Tapes	
Anti Slip Tapes	23
Slyglas Tape & Discs	23
Hazard Labels	24
Air Conditioning Identification	
Ductwork Triangles	25
Plug Code Wiring Tapes	26
Non-adhesive Warning Tapes	
Barrier Tapes	28
Custom and Promo Printed Barrier Tapes	28
Underground Warning Tape - 40 Versions Available	29
Detectawire™ Tape - 30 Versions Available	29
Custom Printed Underground Tape	29
Specialist Tapes	
Aluminium Tapes	30
Cloth Tapes	30
Double Sided Tapes	31
Filament & Strapping Tapes	33
Selection of Specialist Tapes	33
Plasterboard Tapes	33
Polythene & Protection Tapes	34
Pipe Protection Tape	
Vellotape™	34
Abestos Tape & Signs	34
Miscellaneous	35
Cheque Book Tape	35

Pipeline Identification Tape

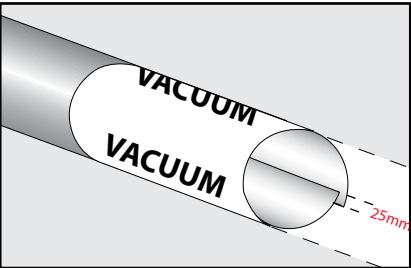
Health and Safety (Safety Signs and Signals) Regulations place great emphasis on the labelling of pipework. The Regulation states that pipeline marking labels and tapes are required at points where employees are likely to be exposed to the contents of the pipework, for example at sampling or filling points, drain valves and flanging points, and either side of walls and barriers. BS 1710: 1984 (plus revisions) Identification of Pipeline and Services and BS 4800 provide guidance on the use of colours and signs to identify the contents of the pipework and it's associated risk.

Campbell probably have the largest stocked range of pipeline identification tapes in the world to assist you in complying to these standards. We also have some coloured tapes in stock in continental RAL colours.

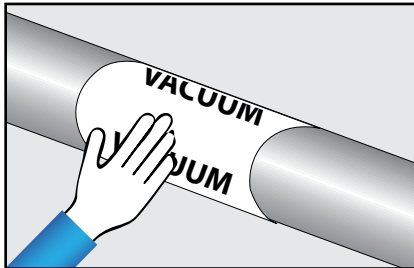
Campbell standard indoor pipeline identification tapes are resistant to water, steam, and most chemicals.

How To Apply Tape

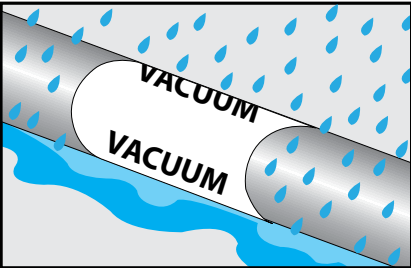
For the best performance, the tape must be applied correctly.



1. Apply to a clean dry surface, making sure dust has been removed. No other preparation is necessary. Bands should completely encircle the pipe for perfect adhesion. Ends should lap for about 25mm on the blind side of the pipe.



2. Smooth down the band quite flat. This is essential if pockets are not to appear at the edge of the band, which might harbour moisture and weaken adhesion.



3. Properly applied, these bands are absolutely waterproof.

PLEASE NOTE
When using any of the tapes in this catalogue a good standard of personal hygiene should be maintained. Wash hands with soap and water after use and especially before handling food. The tapes have not been formulated and tested for prolonged skin contact and should not therefore be used as a medical plaster or as a hand protection tape. People with sensitive skin or those concerned about skin abrasion should take suitable precautions, e.g. proprietary barrier cream or gloves. This applies to all tapes in this catalogue.

Standard Indoor Pipeline Identification Banding Tape

Base Product		Laminate	
Base Materials White rigid PVC coated one side with a transparent resin rubber adhesive laminated with a 30 micron transparent polypropylene for environmental protection. Recommended for internal use only.		Product Specification - Laminate	
		Support	Transparent Polypropylene
		Tape Thickness	0.050mm
		Adhesion	1050g/24mm (10.2N/24mm)
		Tensile Strength	11kg/24mm (106.3N/24mm)
		Elongation	100%
		Shelf Life Minimum	12 months @ 72F @ 50% R.H.
Product Specification - Base		All tapes are printed to current British Standard BS1710 (1984) with all amendments and BS4800 or 381C colour specifications or continental RAL standards.	
Support	Rigid PVC white film		
Tape Thickness	0.060mm		
Adhesion	700g/24mm (6.8N/24mm)		
Tensile Strength	11kg/24mm (106.3N/24mm)		
Elongation	40%		
Upper Temperature	70°C intermittent		

Stock tape widths are usually 48mm, 96mm and 144mm, all in 33m length. Other widths and lengths are possible but we would not recommend rolls longer than 50m for convenience of handling. This also could be subject to a minimum order.

All Weather Outdoor Pipeline Identification Banding Tape

Base Product		Laminate No. 15	
Base Materials White Polyester		Base Materials Linerless Transparent Polyester	
Adhesive Acrylic High Tack		Adhesive Acrylic High Tack	
Backing Paper Siliconised Kraft		Backing Paper None	
Temperature Range From -40°C to + 150°C		Temperature Range From -51 °C to +121 °C	
Water Resistance Excellent		Water Resistance Excellent	
Chemical Immersion		Salt Water Immersion To BS5609 3 months (laminated products only)	
30W Oil	24 hours No edge penetration	Chemical Immersion Resists most common oils, aliphatic solvents such as Heptan, Kerosene and alcohols when applied to impervious substrates.	
Petrol	24 hours 0.165"		
Detergent	24 hours No edge penetration		
Sulphuric acid 10%	24 hours No edge penetration		
Bleach 20%	24 hours No edge penetration		
Ethylene Glucol	24 hours No edge penetration		
Humidity No effect on substrate exposed to 100% R.H. and 100F for 168 hours		Humidity No effect when exposed to 100% R.H. and 100°F for 200 hours	
Shelf Life Minimum 1 year @ 72°F and @ 50% R.H.		Shelf Life Minimum 1 year @ 72°F and @ 50% R.R.	

All tapes are produced with siliconised backing paper which should be removed to expose adhesive prior to application.

All weather pipeline identification tapes have an extremely low chloride content which makes them suitable for use on all pipe surfaces including that of stainless steel. Leachable chloride less than 10 parts per million.

Campbell all weather external pipeline identification banding tapes are produced from a high specification polyester substrate and laminate to give long term outdoor and hostile environmental performance. They are resistant to water, steam, oil, petrol, detergent, sulphuric acid, bleach, ethylene glycol and alcohols. It demonstrates excellent ultra-violet resistance which in turn prolongs the colour fastness of the ink used which themselves have a high U.V. tolerance. Taken together the expected outdoor life for this product, dependent on the severity of exposure is between two and six years. This tape is manufactured to your requirements and is available in the same range of colours and prints as standard pipeline tape.

Stock tape widths are usually 48mm, 96mm and 144mm, all in 23m length.

*Other widths are possible, subject to a minimum order.

Standard Colours

General Building Services			
BS & RAL Colour Ref.		BS & RAL Colour Ref.	
White	00E55 9010	Salmon Pink	04C33
Crimson	04D45 3004	Blue	20D45 5019
Emerald Green	14E53	Primrose / Canary	10E53 1063
Delphinium	18E51	Corvette Blue	18C35
Bright Green	14E51	Pale Lime	12E51
Linden Green	12E53	Green Haze	12C33
Golden Maize	10D43	Maori Brown	06E56
Dusky Pink	04B17	Mid Tan	06D43
Clover Pink	02C37	Teak	06D45
Regal Violet	24C39	Mellow Apricot	06E50
Nimbus Grey	10A07 7004	Pale Lilac	24C33
Squirrel Grey	18B21	Flint Grey	00A09
Ash Grey	00A01	Dark Admiralty Grey	18B25

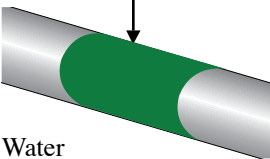
Basic Identification Colours			
BS & RAL Colour Ref.		BS & RAL Colour Ref.	
Water Green	12D45 6003	Acids & Alkalis / Violet	22C37 4005
Steam / Silver Grey	10A03 9007	Air / Light Blue	20E51 5024
Oils & Combustible Liquids / Brown	06C39 8007	Other Liquids / Black	00E53 9005
Gases except Air Yellow Ochre	08C35 1007	Electrical Services	66E51

Safety Colour	
BS & RAL Colour Ref.	
Fire Fighters Safety Red	04E53
Warning of Danger Golden Yellow	08E51
Fresh Water Auxillary	18E53
Used to highlight additional warnings	

*Please note RAL and BS colours are not an exact match and should only be used as a guide.

Banded Tapes

Basic Identification Colour

eg. 

Water

Basic Identification Tapes

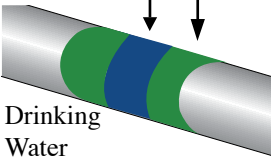
These tapes are used to indicate the basic nature of the pipe contents.

Size:
50mm x 33m, 100mm x 33m,
150mm x 33m

*Other sizes available on application

Reference Colour

Basic Identification Colour

eg. 

Drinking Water

Reference Colour Tapes

These Tapes can be used in conjunction with the Basic Identification Tapes. They are of importance where the exact nature of pipe contents need to be clearly identified.

Size: 50mm x 33m, 100mm x 33m

*Other sizes available on application

BS1710 (1984) - Recommendations - (Identification of pipelines and services) Part 6.3

3 colour bands shall be placed at junctions, at both sides of each valve, service appliance, bulkhead and wall penetration and at any other place where identification is necessary. The outside colour bands shall be the basic identification colour for the particular family of fluid. The centre band may be one colour or a combination of colours.

Water	
Drinking	
Cooling (Primary)	
Boiler Feed	
Condensate	
Chilled	
Central Heating <100°	
Central Heating >100°	
Cold Down Service/Supply	
Hot Water Service/Supply	
Hydraulic Power	
Sea, River, Untreated	
Fire Extinguishing	
Oils	
Diesel Fuel	
Furnace Fuel	
Lubricating	
Hydraulic Power	
Transformer	

Refrigeration	
Refrigerant 12	
Refrigerant 22	
Refrigerant 502	
Anhydrous Ammonia	
Other Refrigerants	
Other Applications	
Natural Gas	
Compressed Air	
Vacuum	
Steam	
Drainage	
Elec. conduits & Vent. Ducts	
Acids & Alkalis	

ISO 14726 Marine Identification Chart

Pipework identification colours, ISO 14726 as used in oils rigs, ships and all marine buildings.

Text	Colours
Waste Media	
Waste Media	
Black Water	
Waste Oil	
Bilge Water	
Exhaust Gas	
Sewage	
Fresh Water	
Fresh Water	
Condensate from Heating System	
Fresh Water-Sanitary	
Cooling Fresh Water	
Feed Water	
Distillate	
Potable Water	
Chilled Water	
Condensate	
Sea Water	
Sea Water	
Ballast Water	
Cooling Sea Water	
Sanitary Sea Water	
Fuel	
Fuel	
Heavy Fuel	
Liquid Gas	
Petrol	
Diesel Fuel	
Non-Flammable Gases	
Non-Flammable Gases	
Oxygen	
Breathing Gas	
Nitrogen	
Refrigerant	
Pressure Air HP	
Breathing Air	
Oil Other Than Fuel	
Oil Other Than Fuel	
Used Oil	
Thermal Oil	
Dirty Oil	
Lubricating Oil	
Hydraulic Oil	
Steam	
Steam	
Steam for heating	
Bleeder Steam	
LP Drains	
Supply Steam	
Exhaust Steam	
HP Drains	
Fire Fighting	
Fire Fighting	
Fire Fighting Fresh Water	
Fire Fighting Sea Water	
Fire Fighting CO ₂ Gas	
Sprinkler Water	
Fire Fighting Powder	
Fire Fighting Foam	
Fuel	
Acids & Alkalis	
Air in Ventilation Systems	
Air in Ventilation Systems	
Natural Exhaust Air	
Supply Air, Atmospheric	
Natural Supply Air	
Mechanical Exhaust Air	
Flammable Gases	
Flammable Gases	
Hydrogen	
Acetylene	
Mixture of Propane/Butane	

Stocked White Printed Indoor Pipeline ID Tape

Texted tapes give more precise details about the contents of the pipework. The tapes with directional arrows are used to indicate the direction of the flow. They are used in conjunction with the basic identification colour. If the text you require is not shown below we can have it made for you so do not hesitate to call us.

All tapes are 48mm x 33m printed black





All tapes are 96mm x 33m printed black

All tapes are 144mm x 33m printed black



Stocked Clear Printed Indoor Pipeline ID Tape

48mm x 33m

96mm x 33m



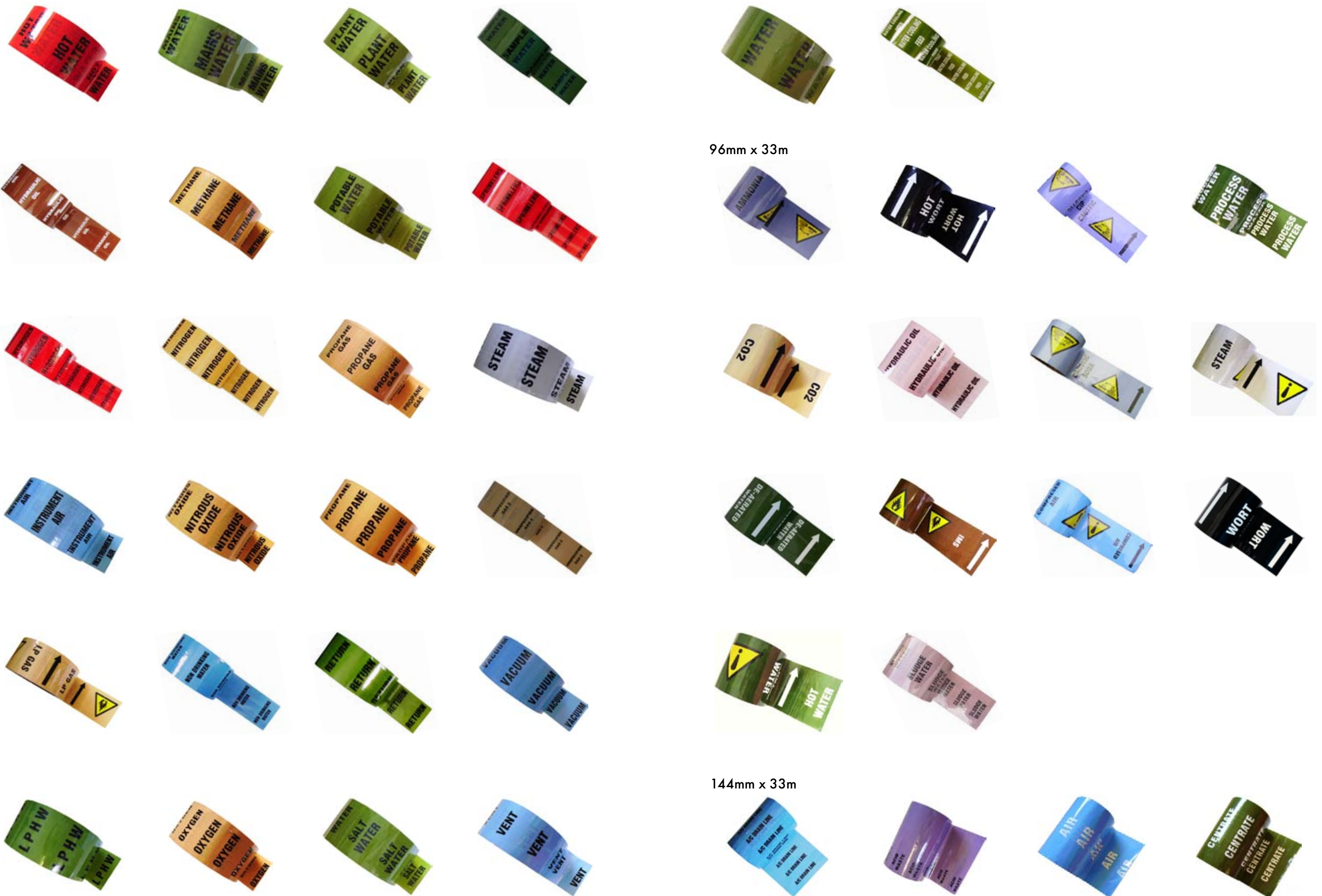
Stocked Coloured Printed Indoor Pipeline ID Tape

24mm x 33m



48mm x 33m







Stocked White Printed All Weather Pipeline ID Tape

Texted tapes give more precise details about the contents of the pipework. The tapes with directional arrows are used to indicate the direction of the flow. They are used in conjunction with the basic identification colour. If the text you require is not shown below we can have it made for you so do not hesitate to call us.

All tapes are 48mm x 33m printed black



Stocked Coloured Printed All Weather Pipeline ID Tape



Hospital Tapes

The need to label pipework correctly in hospitals is even greater than other buildings as it can save lives. A seperate range of Campbell tape is available for this purpose, complying to British Standards.

Technical Specification

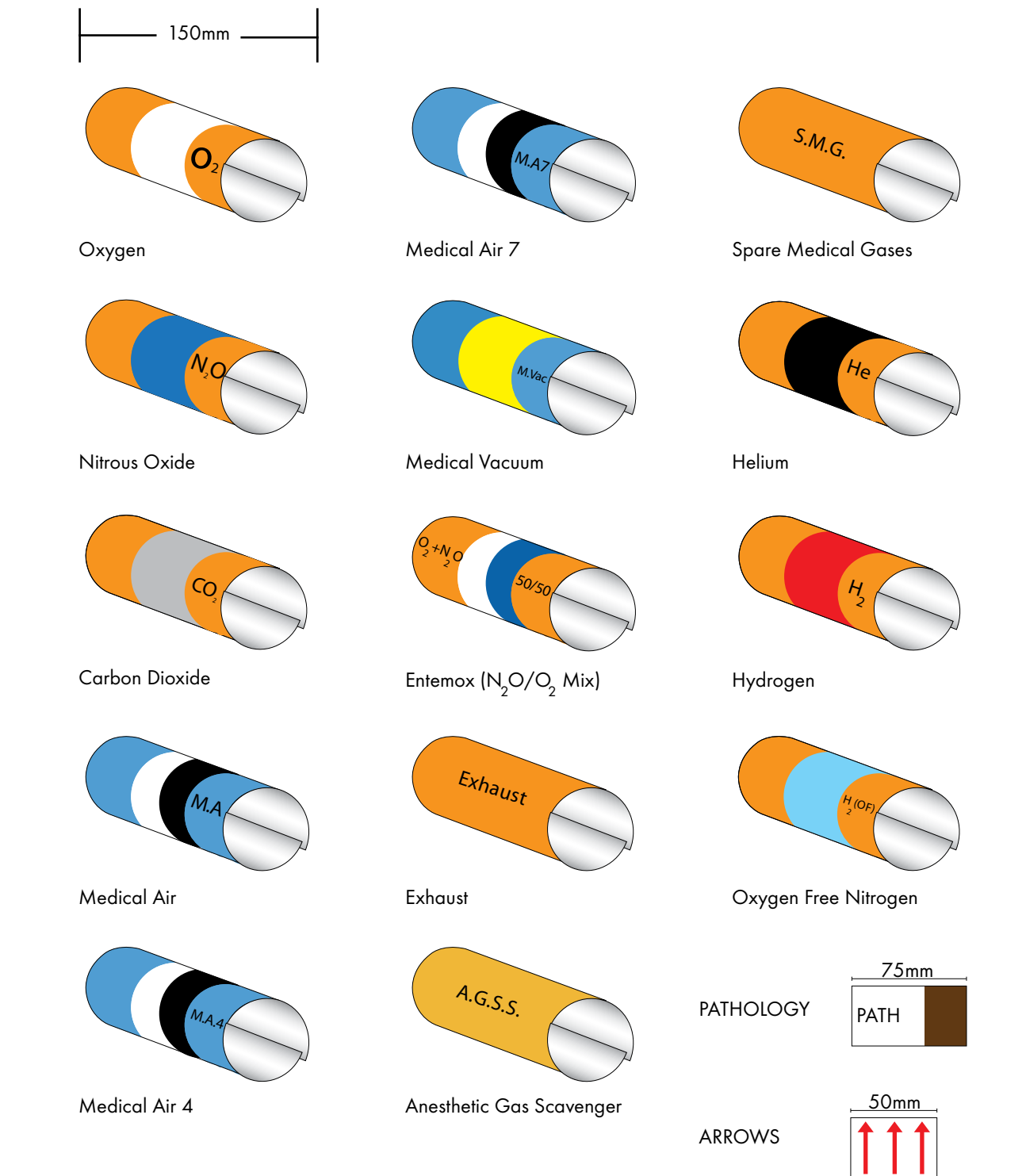
Material

Twin-ply laminated tape consisting of vinyl tape with pressure sensitive permanent rubber resin adhesive. The printing is protected from scuffing, wear, washing and adverse conditions with a polypropylene laminate film.

Temperature Range

These tapes are laminead and can lightly perforated so they can be torn off and used as labels or as tape. Standard indoor tape is held in stock.

-40°C to +70°C



Banded Tapes

In addition to the Marine Identification banded tapes shown on page 7 we also offer the colour codes with the following texts.

Standard Size: 144mm x 33m.



Anti Slip Tapes

Anti slip tapes are self adhesive and easily applied. Can be used indoors or outdoors on a multitude of surfaces.

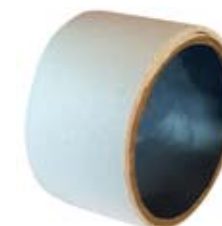
Standard Sizes: 25mm, 50mm, 75mm, 100mm, 150mm and 300mm x 18m.



Conformable Anti Slip Tape
Ideal for use on irregular surfaces
and can be hammered into place.
Especially good for use on
Chequer plate or Dubar plate.



Cushion Anti Slip Tape
Provides an anti slip surface, with
a comfort cushion textured finish.



Non Abrasive Anti Slip Tape
Suitable for showers, boats and any-
where you want an effective safety
material that is kind to bare feet.



Glow in the dark Anti Slip Tape
Same qualities as the rest of the range
with benefit that it glows in the dark.



Heavy Duty Anti Slip Tape
Premium tape suitable for
extremes of use and temperature.

Sylglas Tape & Discs

Sylglas Anti-Slip Discs: 60 discs per roll.
Sylglas Anti-Slip Tape: 50mm x 3m rolls.



Hazard Labels

Campbell hazard labels are supplied in 15m rolls with labels 100mm x 100mm except where specified. They are made from self-adhesive vinyl tape, laminated with transparent polypropylene and perforated between each label. Other tear-off labels can be made to your design specifications. Our stock labels have been shown in alphabetical order to help you find what you need. If what you require is not shown then please call us.

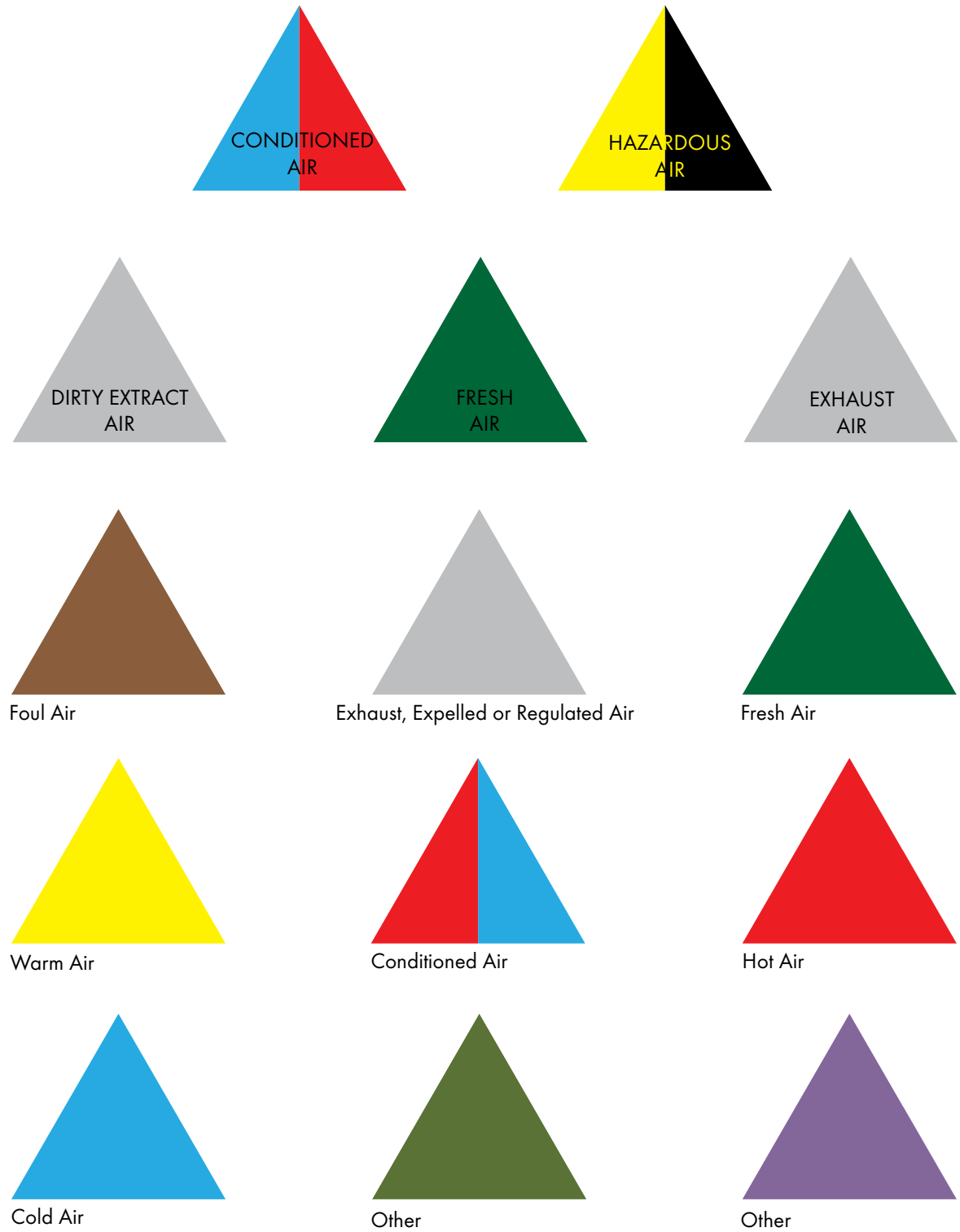


Ductwork Triangles

Campbell ductwork triangle are available with or without text, as shown below.

Technical Specification

Material Self-adhesive coloured PVC in sheets of 5 x 152mm equilateral triangles with backing paper. Meets the requirements for the Identification of Ventilation Air Conditioning Systems as recommended by the Heating and Ventilation Contracts Association.



Plug Code Wiring Tapes

Campbell’s code wiring tape for detailing the safe way to wire a plug or connector are seen and supplied internationally. There are continually new laws and directives so we provide probably the widest range and largest stock available so that you can choose the tape you need to comply with the regulations and recieve prompt delivery.

Safety

Electricity can be dangerous especially to the young and old, so it is important to make sure the right instructions are on the lead of the product you supply. Please note not only new electrical appliances need wiring code instructions but also refurbished or used items.

Different Print

Do you require a tape with a different print from those published? We are happy to print up new or different text, add your logo or company name or add a statement or sentence to an existing text. Talk to our sales staff about the minimum quantities required. If you have any ideas as to how we can improve the wording or add any safety features then please write to us and we will consider the possibility nex time we print.

2 Ply Tape

Campbell’s wire code tapes are two ply laminated. There are two benefits, firstly, they are generally easier to apply and the tape is less likely to curl and, secondly, the print is lamintaed between two layers of tape and will therefore not rub or wash off.

Moulded Plugs

Many appliances now come with plugs moulded onto the end of the lead so wiring instructions are not required, but a flexible cord warning label is required in case the plug is cut off. in these instances you should use Campbell’s reference IWC8, IWC11 or IWC12.

Stock Availability


We endeavour to keep all the different tapes in stock all of the time although we are caught out sometimes by an unexpected large request, but can always give you an estimated despatch date.

General Health ans Safety Application

Ensure that all surfaces to be bonded are dry, free from dust, grease and other contaminants. Surfaces to be bonded and the tape to be applied should be at a temperature of between 5 °C and 40 °C. This is particularly important if the tape has been stored in a cold area. Apply the tape using the maximum amount of pressure possible, smoothing down to achieve 100% contact. Fot electrical uses we recomment a 50% overlap on tape winding.

I.W.C.-3

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:-

The wire which is coloured green-and-yellow must be connected to the terminal in the plug which is marked with the letter E or by the earth symbol  or coloured green or green-and-yellow.

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

WARNING
THIS APPLIANCE MUST BE EARTHED

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Green-and-yellow:	Earth
Blue:	Neutral
Brown:	Live

I.W.C.-4

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:-

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Blue:	Neutral
Brown:	Live

I.W.C.-5



IMPORTANT

THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE:

GREEN AND YELLOW	EARTH
BLUE	NEUTRAL
BROWN	LIVE

WARNING - THIS APPLIANCE MUST BE EARTHED

I.W.C.-6

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:-

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Blue:	Neutral
Brown:	Live

If a 13 Amp (BS 1363) Plug is used a 13 Amp Fuse must be fitted, or if any other type of Plug is used a 5 Amp Fuse must be fitted either in the Plug or Adaptor or at the Distribution Board.

Do not connect the Live or Neutral wires to the Earth Terminal

I.W.C.-7


WARNING
THIS APPLIANCE MUST BE EARTHED

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Green-and-yellow:	Earth
Blue:	Neutral
Brown:	Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:-

The wire which is coloured green-and-yellow must be connected to the terminal in the plug which is marked with the letter E, or by the earth symbol  or coloured green or green-and-yellow.

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.


The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

If a 13 amp (BS 1363) Plug is used a 13 amp Fuse must be fitted, or if any other type of Plug is used a 5 amp Fuse must be fitted either in the Plug or Adaptor or at the Distribution Board.

I.W.C.-8

FLEXIBLE CORD WARNING LABEL

If the socket outlets in the home are not suitable for the plug supplied with the appliance it should be cut off and an appropriate three pin plug fitted.

NOTE: The plug severed from the mains lead must be destroyed, as a plug with bared flexible cord is hazardous if engaged in a live socket outlet. Use a 13A fuse approved by ASTA to BS1362, i.e. carries the  mark.

Always replace the fuse cover, never use the plug with the fuse cover omitted.


WARNING - THIS APPLIANCE MUST BE EARTHED

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:-

Green & Yellow - Earth, Blue - Neutral, Brown - Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:-

The wire which is coloured green-and-yellow must be connected to the terminal in the plug which is marked with the letter E, or by the earth symbol  or coloured green or green-and-yellow.

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

If a 13 amp (BS 1363) Plug is used a 13 amp Fuse must be fitted, or if any other type of Plug is used a 5 amp Fuse must be fitted either in the Plug or Adaptor or at the Distribution Board.

I.W.C.-9

WARNING

This apparatus must be earthed

IMPORTANT

The wires in this lead are coloured in accordance with the following code

Blue - N
Brown - Live 1
Black - Live 2
Green & Yellow - Earth

Connect the wires in the lead to the plug terminals as follows:

Wire Colour Plug Terminal

Blue - N
Brown - L1
Black - L2
Gr or Yel - E or + or Gr or Gr & Yel

I.W.C.-10

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:-

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.


If a 13 Amp (BS 1363) Plug is used a 13 Amp Fuse must be fitted, or if any other type of Plug is used a 5 Amp Fuse must be fitted either in the Plug or Adaptor or at the Distribution Board.

Do not connect the Live or Neutral wires to the Earth Terminal

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Blue:	Neutral
Brown:	Live


Fittings marked  are double insulated and do not need to be earthed. In all other cases earthing is essential.

I.W.C.-11

IMPORTANT

If the available socket outlet is not suitable for the plug supplied with this equipment, it should be cut off and an appropriate three pin plug fitted. With alternative plugs an approved fuse must be fitted in the plug.

NOTE: The plug severed from the mains lead must be destroyed as a plug with bared flexible cords is hazardous if engaged in a live socket outlet.

In the event of replacing the plug fuse, use a fuse approved by ASTA to BS1362, i.e. carries the  mark, rating as marked on plug.


Always replace the fuse cover, never use plugs with the fuse cover omitted.

WARNING - THIS APPLIANCE MUST BE EARTHED

The wires in this mains lead are coloured in accordance with the following code:-

Green and yellow	Earth
Blue	Neutral
Brown	Live

As the colours of the wiring in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured green and yellow must be connected to the terminal in the plug which is marked with the letter E or by the earth symbol  or coloured green or green-and-yellow.

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black or blue.


The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red or brown.

I.W.C.-12

IMPORTANT

If the available socket outlet is not suitable for the plug supplied with this equipment, it should be cut off and an appropriate three pin plug fitted. With alternative plugs an approved fuse must be fitted in the plug.

NOTE: The plug severed from the mains lead must be destroyed as a plug with bared flexible cords is hazardous if engaged in a live socket outlet.

In the event of replacing the plug fuse, use a fuse approved by ASTA to BS1362, i.e. carries the  mark, rating as marked on plug.

Always replace the fuse cover, never use plugs with the fuse cover omitted.

WARNING - THIS APPLIANCE MUST BE EARTHED

The wires in this mains lead are coloured in accordance with the following code:-

Blue	Neutral
Brown	Live

As the colours of the wiring in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black or blue.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red or brown.


If a 13 Amp (BS 1363) Plug is used a 13 Amp Fuse must be fitted, or if any other type of Plug is used a 5 Amp Fuse must be fitted either in the Plug or Adaptor or at the Distribution Board.

B1

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:-

Blue:	Neutral
Brown:	Live



As the colours of the wiring in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:-

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black or blue.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red or brown.


If a 13 Amp (BS 1363) Plug is used a 13 Amp Fuse must be fitted, or if any other type of Plug is used a 5 Amp Fuse must be fitted either in the Plug or Adaptor or at the Distribution Board.

B3

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:-

Blue:	Neutral
Brown:	Live




As the colours of the wiring in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:-

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black or blue.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red or brown.

If a 13 Amp (BS 1363) Plug is used a 13 Amp Fuse must be fitted, or if any other type of Plug is used a 5 Amp Fuse must be fitted either in the Plug or Adaptor or at the Distribution Board.

Fittings marked  are double insulated and do not need to be earthed. In all other cases earthing is essential.

V2



IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:-

GREEN & YELLOW - EARTH
BLUE - NEUTRAL
BROWN - LIVE

Fittings marked  are double insulated and do not need to be earthed. In all other cases earthing is essential.

V3

WARNING
THIS APPLIANCE MUST BE EARTHED

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:-

Green and yellow	Earth
Blue	Neutral
Brown	Live



As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:-

The wire which is coloured green-and-yellow must be connected to the terminal in the plug which is marked with the letter E or by the earth symbol  or coloured green or green-and-yellow.

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

V4



IMPORTANT

THE CORDS OF THE FLEXIBLE CORD SUPPLIED WITH THIS APPLIANCE ARE COLOURED WITH THE FOLLOWING CODE:

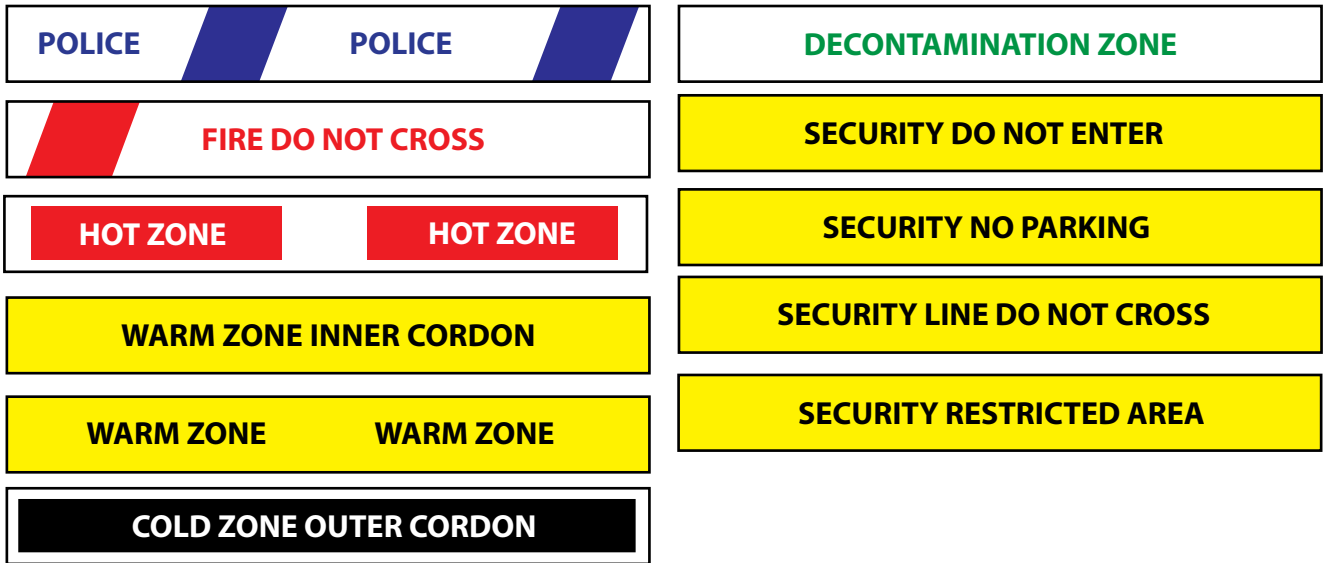
BLUE - NEUTRAL
BROWN - LIVE

THIS APPLIANCE MUST BE EARTHED WITH A FIVE AMP FUSE

Barrier Tapes

Barrier tapes are used for warning of a potential hazard, keeping crowds at bay, a temporary barricade or as advertising. They are manufactured from strong polythene and come printed on both sides.

Available in sizes: 75mm x 100m and 75mm x 500m.
Available in colours: red & white, black & yellow, green & white, red & yellow and blue & white.



Custom and Promo Printed Barrier Tapes

As well as offering the standard range of barrier tapes, we also offer custom printed, to promote your product and business. Available in almost any size, please call our sales department for further details.



Underground Warning Tape - 40 Versions Available

Brightly coloured plastic identification tape that marks the position of buried utility lines
100% virgin plastic (acid & alkali resistant).

Size : 150mm x 365m



Electric Cable (yellow), Water Main (blue), Gas Main (yellow), Sewer Pipe (red), Fibre Optic (green), Telephone Cable (green), Buried Cable (yellow), Buried pipe (yellow), CCTV Cable (green), Non Potable Water (white), Fire Man (red), Street Lighting Cable (yellow), Street Lighting Cable (purple), Communications Cable (green), Fuel Main (yellow), Alarm Cable (yellow), Cable TV & Telephone (green), Data Cable (green), High Voltage Cable (yellow), Low Voltage Cable (yellow), Traffic Signal Cable (yellow), High Pressure Pipeline (yellow), Oil Pipeline (orange), Drain (green), Pressure Sewer (red), Fin Drain (green), Sewerage Pumping Main (red), Storm Drain (green), Surface Water Drain (green), Chemical Pipe (yellow), Road Duct (yellow), Buried Services (yellow), Safety Camera Ducting (yellow), Primary Trunk Main (blue), Heating Main (yellow), Raw Water Main (blue), Grey / Recycled Water (grey), Brine Water Main (blue), Road Duct (yellow), Cathodic Protection Cable (yellow), Reclaimed Waer (green) and Chemical Pipe (yellow).

Detectawire™ Tape - 30 Versions Available

Marker tape complete with tracer wires, that locates utility lines from above ground. The innovative 'wavy' design allows the wires to stretch by 25%.

Size : 150mm x 100m



Water Pipe (blue), Sewer Pipe (green), Gas Pipe (yellow), Electric Cable (yellow), Fibre Optic (green), Communications Cable (green), Communications / Power Cable (yellow), Fire Main (red), Fuel Main (yellow), Non Potable Water (white), Street Lighting Cable (yellow), Surface Water Drain (green), Pressure Sewer (green), Sewerage Pumping Main (red), Gravity Sewer (red), Brine Main (green), Caution (yellow), Road Lighting (purple), Rising Main (green), Duct (yellow), HV Duct (yellow), Vacuum Sewer (green) NB 200mm wide, Traffic Signal Cable (yellow), Services Below (yellow), Heating Main (yellow), Raw Water (green) and Compressed Air (blue).

Custom Printed Underground Tape

Here at Campbell we also print to your own individual requirements, and in any language.
*subject to a minimum order



Aluminium Tapes



30 Micron Foil Tape - With Liner
A Class 0 foil tape, with a solvent acrylic adhesive that is resistant to high and low temperatures.
* Available in 24mm, 48mm, 72mm, 96mm and 610mm x 45m.



40 Micron Foil Tape - With Liner
The ideal tape for the window industry, that is the preferred contractor grade for the HVAC market.
* Available in 24mm, 48mm, 72mm, 96mm and 610mm x 45m.



80 Micron Foil Tape - With Liner
Ideal for high thermal exchange, yet keeps good conformability. Good for the freezer industry.
* Available in 25mm, 50mm, 75mm and 100mm x 50m.



100 Micron Foil Tape - With Liner
Same as the 80 micron.
* Available in 25mm, 50mm, 75mm and 100mm x 50m.



150 Micron Foil Tape - With Liner
Same as the 80 micron.
* Available in 25mm, 50mm, 75mm and 100mm x 50m.



40 Micron Foil Tape - Self Wound
Does not require a paper release liner, ideal for quick and easy application.
* Available in 12mm, 19mm, 25mm, 30mm, 38mm and 50mm x 50m.



80 Micron Foil Tape - Self Wound
Same as the 40 micron.
* Available in 25mm, 50mm, 75mm and 100mm x 50m.



50 Micron Foil Tape - Conductive Adhesive
Conductive adhesive gives superior heat dispersion, electrostatic charge and earthing.
* Available in 25mm, 50mm, 75mm and 100mm x 50m.



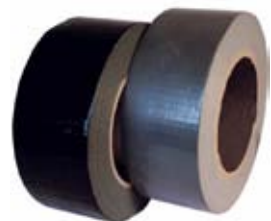
50 Micron Foil Tape - Silicone Adhesive
Ideal for extreme heat temperatures, with a silicone adhesive. Withstands 230-300 degrees.
* Available in 25mm, 50mm, 75mm and 100mm x 50m.



9 Micron Foil Tape / Polyester Laminate - Self Wound
Created using only 9 microns of aluminium foil. Strengthened by a laminated polyester film.
* Available in 25mm, 50mm, 75mm and 100mm x 50m.

Cloth Tapes

Standard Sizes Available are:
12mm, 19mm, 25mm, 38mm, 50mm, 75mm and 100mm x 50m.



Economy PE Coated Cloth Tape
General purpose polythene laminated tape, ideal for industrial jobs and indoor maintenance.



Contractor PE Coated Cloth Tape
The most popular cloth tape. Good instant grab, and a good waterproof backing.



Matt Gaffa Tape
Strong durable tape, that's moisture resistant. Non reflective with matt finish. Used world wide.



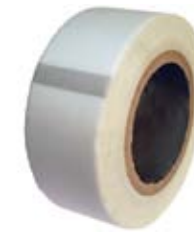
Nuclear Grade PE Coated Cloth Tape
Meets NRC and ASME standards, with a high moisture resistance and high adhesion.



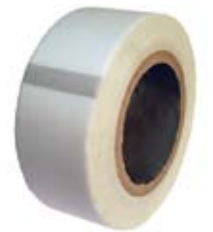
Flame Retardant PE Coated Cloth Tape
The only tape to use where flame retardance is required.



Class B Glass Cloth Tape
Thermosetting rubber adhesive. Produced with non fray material and is UL approved.



Class F Glass Cloth Tape
Acrylic adhesive that resists temperatures upto 180°C. Produced with non fray material and is UL approved.



Class H Glass Cloth Tape
Silicone adhesive that resists temperatures upto 210°C. Produced with non fray material and is UL approved.



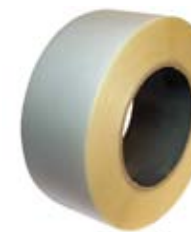
1 Strip PE Coated Cloth Tape
High adhesion for difficult surfaces, with a crisp straight tear and resists twisting and curling.
* Available in 48mm, 63mm, 72mm and 96mm x 33m.



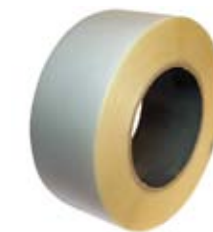
PTFE Coated Glass Cloth Tape
High performance and high temperature resistant, with non-stick properties that allows you to create a non-stick surface.
* Available in various widths & thicknesses, contact our sales team for more details.

Double Sided Tapes

Standard Sizes Available are:
6mm, 9mm, 12mm, 25mm, 38mm, 50mm and 75mm x 50m.



High Tack Double Sided Tissue Tape
Withstands high temperatures, is uv resistant and is hand tearable.



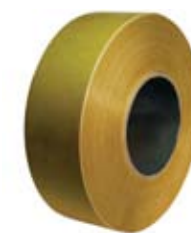
Ultra High Tack Double Sided Tissue Tape
Industry standard for foam and print lamination industry. Solvent acrylic adhesive.



Extream High Tack Double Sided Tissue Tape
Thick tissue carrier, with a very high shear and ultra high tack.



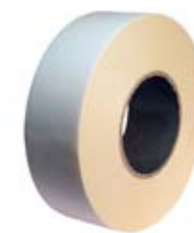
High Tack Double Sided Filmic Tape
High tack clear filmic tape, ideal for bonding flat profile products. UV and temperature resistant.



Ultra High Tack Double Sided PVC Tape
Instant high tack and immediate adhesion for long term applications.



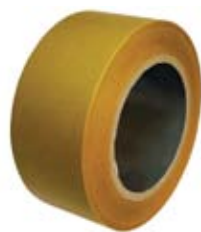
Ultra High Tack Double Sided Polyester Tape
Transparent filmic tape for bonding ABS plastic parts, and for mounting rubber and EPDM profiles and touch screens.



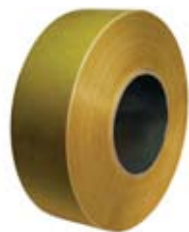
Economy Double Sided Tissue Tape
Very high tack for non critical applications where a high grab permanent bond is required.



Double Sided Tissue Fingerlift Tape
Designed to enable the liner to be removed quickly by hand.
* Available in 6/12mm, 9/12mm, 12/18mm, 18/24mm and 24/30mm x 50m.



Perm/Peel Double Sided Filmic Tape
This tape allows you to bond a permanent surface, and allows the reverse side to be peelable and repositionable.



High Grab Double Sided Cloth Tape
The perfect all purpose double sided cloth tape. Ideal for bonding any uneven surface including carpet and construction materials, such as polythene and corex sheeting.



Contractor Grade Double Sided Cloth Tape
Excellent adhesion to rough, irregular or smooth surfaces. Provides a secure bond to carpets and tiles, but allows a residue-free removal. Has a blue PE liner.
*Available in 25mm, 38mm, 50mm and 75mm x 50m.



Flame Retardant Double Sided Cloth Tape
High strength flame retardant adhesive bond. Originally designed for Aerospace industry.
*Available in 25mm, 38mm, 50mm and 75mm x 50m.

Filament & Strapping Tapes

Standard Sizes Available are:
12mm, 19mm, 25mm, 50mm and 75mm x 50m.



Heavy Duty Filmic Strapping Tape
Our strongest tensilised polypropylene backing with and extra strong rubber adhesive.



Medium Duty Filmic Strapping Tape
Medium duty tensilised polypropylene strapping tape. Ideal for closing, holding and securing in the appliance and furniture industry.



Reinforced Crossweave Filament Tape
The cross weave filaments gives this tape bi directional strength.



Reinforced Monoweave Filament Tape
Aggressive adhesive ideal for light to medium bundling and palletising applications. The mono directional strength ideal for non critical applications.

Selection of Specialist Tapes



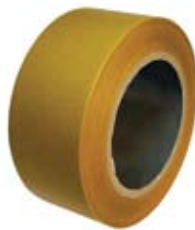
NEC Approved Double Sided Exhibition Tape
Differential adhesive tape designed for exhibition halls where NEC approved tape must be used. Has the NEC print on the film.
*Available in 25mm, 38mm, 50mm and 75mm x 50m.



Double Sided Golf Grip Tape
Flat paper tape designed for the golf grip industry. Bonds steel and rubber.
*Available in 6mm, 12mm, 19mm, 25mm, 38mm, 50mm and 75mm x 33m.



Translucent Acrylic Bonding Tape
Ideal for permanent long-term bonding for metal, glass and rigid materials.
*Available in 6mm, 9mm, 12mm, 19mm, 25mm, 38mm and 50mm x 33m.



Transfer Tape - 50 Micron
General purpose tape, ideal for paper and card bonding.
*Available in 12mm, 25mm, 50mm, 100mm, 1000 and 1500mm x 50m.



600°C Ceramic Vibre Tape
Single sided fire protection sealing tape, that resists temperatures upto 600°C. Abestos-free tape allows no gas to develop when fires occur.
*Available in 12mm x 2/3/4mm x 10m and 25mm x 2/3/4mm x 10m.



Non Adhesive Barrier Tape
Non adhesive barrier tape that offers great visibility and exceptional value for money. Supplied in a handy dispenser.
*Available in 75mm x 500m.



Serrated Edge PE Tape
The ULTIMATE builders tape, designed to work on all substrates found on building sites. Very strong, waterproof and visible. Essential repair and sealing tape and unlike PVC won't go brittle in cold weather.
*Available in 12mm x 2/3/4mm x 10mtr and 25mm x 2/3/4mm x 10m.



T-Bag Filter Tape
Designed for the professional polycarbonate sheeting market. Best protection against all dust particles, insects and moisture. Allows full ventilation of all sections and channels.
*Available in 25mm, 33mm, 38mm, 48mm and 60mm x 33 m.

Plasterboard Tapes



Transfer Tape - 120 Micron
High tack adhesive, perfect for the plastic and rubber industry, and textile industry.
*Available in 12mm, 25mm 50mm, 100mm, 1000mm and 1500 x 33m.



Removable Transfer Tape - 30 Micron
Low tack transfer allowing for future repositioning.
*Available in 6mm, 9mm, 12mm and 19mm x 33m.



Reverse Wound Transfer Tape - 50 Micron
Same as the Transfer Tape - 50 Micron, but produced on plastic cores to be used on hand dispensers.
*Available in 6mm, 9mm, 12mm and 19mm x 33m.



Reverse Wound Transfer Tape - 120 Micron
Same as the Transfer Tape - 120 Micron, but produced on plastic cores to be used on hand dispensers.
*Available in 6mm, 9mm, 12mm and 19mm x 33m.



Paper Plasterboard Corner Tape
Kraft tape designed for use with jointing compounds to reinforce and strengthen plasterboard joints and corners. Retains strength when wet.
*Available in 50mm x 153m.



Plain Scrim Plasterboard Jointing Tape
Self adhesive fibreglass reinforced plasterers tape. Flexible to prevent bubbling.
*Available in 48mm x 90m.



Metal Plasterboard Corner Tape
Made from strong kraft paper tape reinforced by two parallel corrosion resistant metal strips.
*Available in 50mm x 30m.

Polythene & Protection Tapes



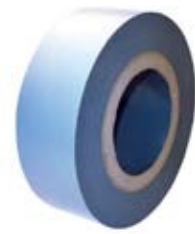
Black Low Tack Protection Tape
Helps prevent surface damage to metals and plastic parts. Commonly used in the glazing industry.
*Available in 25mm, 50mm, 75mm and 100mm x 100m.



Carpet Protection Tape
Ultimate clear carpet protection with adhesive coating on the outside, to allow for easy application. Safer than dust sheets.
*Available in 600mm x 50mtr/100m.



Clear All Weather PE Tape
Repairs, seals, joins and resists the outdoor elements. It is waterproof and unaffected by extreme temperatures.
*Available in 25mm, 50mm, 75mm and 100mm x 33m.



Co-Extruded Low Tack Protection Tape
Same qualities as the Black Low Tack, but cannot be written on for identification purposes.
*Available in 25mm, 50mm, 75mm and 100mm x 150m.



Premium Grade PE Tape
Moisture resistant, tough polythene tape is very conformable to irregular surfaces. Provides superior adhesion to PE sheeting and rough surfaces.
*Available in 25mm, 50mm, 75mm and 100mm x 33m.

Vellotape™



180 Outerwrap Vellotape
Yellow PVC outer wrap self adhesive with matt finish. Offers improved mechanical and electrical resistance to any steelwork or pipelines.
*Available in 50mm, 75mm, 100mm, 150mm, 200mm and 225mm x 33m.



Bitumen and Butyl Anti Corrosion Vellotape
A cold applied tape retaining a high degree of electricity over a wide temperature range. Non hardening and non-cracking. Resistant to acids and alkalis.
*Available in 50mm, 75mm, 100mm, 150mm, 200mm and 225mm x 10m.



Petro Anti-Corrosion Vellotape
Retains a high degree of electricity over a wide temperature range. Non hardening and non-cracking. Resistant to acids and alkalis.
*Available in 50mm, 75mm, 100mm, 150mm and 200mm x 10m.

Asbestos Tape



Asbestos Bag Clear Available in a wide range of sizes and weights.



Take Care With Asbestos Hazard Labels - Hazard Labels 100mm x 100mm 150 labels.



Asbestos Insulation Do Not Disturb 50mm x 30m.



Warning Sign No Entry 3 Symbol Self adhesive paper 303 x 242mm.



Asbestos Bag Red Available in a wide range of sizes and weights.



Asbestos Free Tape 50mm x 33m.



Asbestos Tape 50mm x 33m.



Wear Protective Clothing Sign 200 x 300mm with adhesive backing.



Corrugated Sheet White Flame Retardant 2.4m x 1.2m x 2mm.



Warning Sign Reg. A3 S/A 3 Symbol.



Mask Must Be Worn Sign x2 Adhesive backing 300 x 200mm.



Warning Abestos 50mm x 66m.



Danger Abestos Hazard Tape 50mm x 33m.



Warning Sign No Towels Beyond this Point Self adhesive 396 x 93mm.



Abestos 'A' Labels Self adhesive 27 x 50mm and 51 x 75mm.



Protective Footwear Must Be Worn Sign 200 x 300mm adhesive back.



Flame Retardant Poly LPS Orange 4 x 25m.



Warning Sign Reggs 3 System S/A A4 Self adhesive paper A4.



Danger Abestos Label 3 System Self adhesive paper 105 x 87mm.



Warning Abestos - Do Not Disturb 50mm x 66m.



Clear Polythene Sheeting 700g 3.6mtr x 20m.



Danger Abestos 200 x 300mm self adhesive.

Cheque Book Tape

Water moistenable gummed paper tape, used in binding the end of cheque books, to cover staples.



Hazard Tape (Hatched) Yellow/Black 50mm x 33m.



Documents Enclosed 18mm 66m.



Barrier Tape Red/White 72mm x 500m.



Caution Contents Sharp - Handle with Care 25mm x 66m vinyl.

IMPORTANT NOTICE TO PURCHASER

All Statements, technical information and recommendations herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed and the following is made in lieu of all warranties, expressed or implied, including the implied warranties of merchantability and fitness for purpose. Sellers and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. NEITHER SELLER OR MANUFACTURER SHALL BE LIABLE EITHER IN TORT OR IN CONTRACT FOR ANY LOSS OR DAMAGE, INCIDENTAL OR CONSEQUENTIAL, ARISING OUT OF THE USE OF OR THE INABILITY TO USE THE PRODUCT.

No statement or recommendation not contained herein shall have any force or effect unless in an agreement signed by officers of seller and manufacturer.

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HOW TO ORDER

Contact us by telephone, fax on the numbers below or by post to the address below.

HOW TO PAY

By cheque:	In advance or on collection.
By account:	Apply for a credit account.
By credit card:	We accept Visa, Mastercard and American Express.



Head Office:

Woodlands Mills
Woodlands Road
Tonbridge
Kent
TN9 2NE
England

Tel: +44 (0)1732 773364
Fax: +44 (0)1732 362429
Email: info@campbelluk.co.uk
Website:
www.specialisttapes.com
www.campbelluk.co.uk



Lebanon Office:

A.Z. Tec s.a.r.l.
New Center Dekwaneh
PO Box 165098
Beirut 1100 2010
Lebanon

Tel: + 961 1 682406 / 7 / 9
Fax: + 961 1 682408
Email: @azteclb.com
Website: www.azteclb.com

Jordan Office:

Ranci For Electromechanical
Khalda Street
Amman
Jordan

Tel: 00962 79 5324771