



BY APPOINTMENT TO HM THE QUEEN
MANUFACTURERS OF BRUSHWARE
THE HILL BRUSH COMPANY LTD
MERE, WILTSHIRE

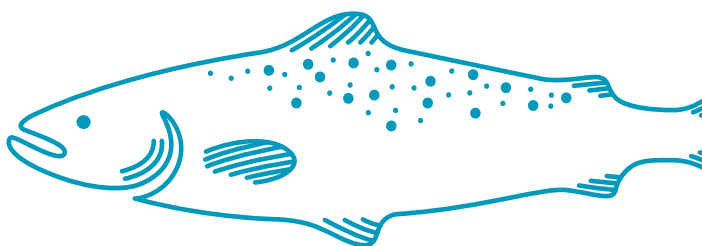
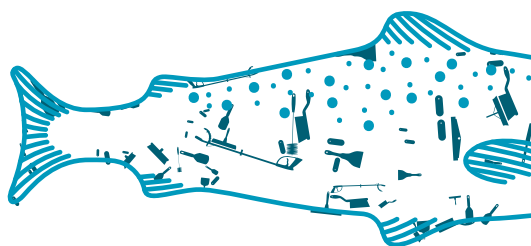
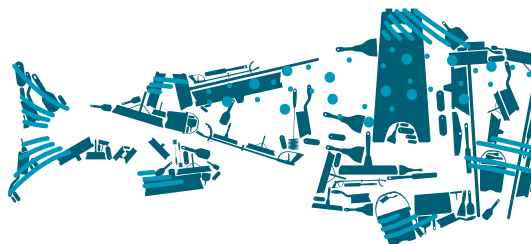
hillbrush®

HYGIENE CATALOGUE
2020



MADE IN
GREAT BRITAIN

Experts in Cleaning Equipment
Since 1922



WELCOME

With a range of over two thousand products and distribution partners in over 90 countries, Hillbrush is the largest UK manufacturer of hygienic cleaning tools and traditional brushware, selling to a global customer base. We set the benchmark for quality and innovation across the cleaning, healthcare and food processing industries.






As we near our 100th year, we celebrate the history of Hillbrush by looking at the evolution of our brand (page 4) and the remarkable transformation of our business from our humble beginnings to a new state-of-the-art facility in Mere. We have ambitious, innovative plans for ongoing product development within the cleaning and hygiene range, but we are also very proud of our heritage and the manufacturing of natural fibre products for the agricultural industry, on which the business was founded. We continue to be the only manufacturer to provide our customers with the diverse range of quality brushware and cleaning solutions for all industries, from Hygiene to Traditional.

We produce two catalogues every year - one with our full product range (including traditional, commercial, hygiene and bespoke products) and the second focused on hygiene for the cleaning, food and drink and healthcare industries. This year, the catalogue is easier to navigate than ever before, with tabs to help you quickly find the right section.

Our dedicated Customer Support Team are on hand to help with any queries you may have, to take orders and provide information for the manufacturing of bespoke requirements. We always welcome feedback from our customers and look forward to your continued support going into 2020.

Managing Directors
Charles and Andy Coward

CONTACT US

-  **+44(0)17 4786 0494** (Mon-Fri 9am-5pm UK time)
-  **info@hillbrush.com** (for company information)
-  **sales@hillbrush.com** (for product enquiries and orders)
-  **hillbrush.com**
-  Visit us at our headquarters in Mere, BA12 6FE, UK

ORDER ONLINE 24/7

All our products are available online to view and purchase, 24/7 at hillbrush.com. Access support and information about our products and FAQs about Hillbrush through a dedicated user account any time of day. If you do not already have an account, registration is quick and easy.

CARRIAGE CHARGES

You will find the carriage charges and terms and conditions of sale on page 37.



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ABOUT HILLBRUSH

The History of our Brand

Hillbrush was founded in 1922 by Fred and Bill Coward. They called their business 'The Hill Brush Company', because it was located at the base of the distinctive Castle Hill you will see if you visit Mere today. In just a few years the brushes they made were being used in streets, farms and factories across Britain.

From the very beginning, the brothers stamped their brushes with a salmon logo, born out of Bill's love for salmon fishing. The salmon logo not only distinguished the business from its many competitors, but as the 'King of Fish' it also represented the quality of the products they were making. Over the years the logo has evolved but the salmon has remained an integral part of Hillbrush, and to this day many locals and customers worldwide refer to the Company as 'salmon brushes', 'the fish brand' or 'the brushes with the fish'!

At the end of 2016, Hillbrush moved to a new state-of-the-art facility at Norwood Park, on the outskirts of Mere. At the same time the company issued the latest iteration of the logo, along with contemporary brand guidelines to support the business for the next generation of products. All our products are branded with our logo, either through hot branding, pad printing or embossed into the plastic.

Our logos and associated brands are trademarked in accordance with the countries and legal entities in which we operate.

The evolution of the Hillbrush brand has been in keeping with the design trends of the period, but we have remained true to our heritage and iconography for which the company has been known for so many years.

To find out more about our history, please visit our website or contact us via email on info@hillbrush.com.

Founded in 1922



Our original logo, first printed in the 1960s



A version of the Hillbrush logo, printed on our catalogues in the 1970s



We updated our logo again in 1990 to reflect our global presence and online reach



The logo that many will know and recognise was revealed in 1997



hillbrush®

Our current logo, launched in 2016 incorporates our traditional salmon but with a more contemporary feel and a focus on our official company name, Hillbrush



hillbrush®

Awarded the Royal Warrant in 1981, we use this logo on some of our printed literature

THE ROYAL WARRANT

WHO WE ARE

Hillbrush is a family owned brush manufacturer and is now run by the 4th generation of the Coward family. Charles and Andy Coward were appointed Managing Directors in 2018 following the move by Philip Coward to become Chairman. The business employs over 100 staff and the mission has always been to deliver high quality, innovative products across many industries.

WHAT WE DO

With a range of over two thousand products and distribution partners in over 90 countries, Hillbrush is the largest UK manufacturer of traditional brushware and hygienic cleaning tools, selling to a global customer base. We set the benchmark for quality and innovation across the cleaning, healthcare and food processing industries. Our mission for continuous and innovative development is as prominent now as it was when the company was founded in 1922.

We have the most modern brushmaking machinery available in the industry and make over three million standard and bespoke products every year. Our moulding division manufactures our brush backs as well as products for other industries. Thanks to state-of-the-art scheduling software and IT systems, five thousand storage pallet spaces and our experienced customer service, production and warehouse teams, we are able to provide outstanding products and customer service.

We strongly believe in innovation and have a dedicated development team which is responsible for research into new products and the improvement of older ones.

PROUDLY MANUFACTURED IN THE UK

We manufacture most of our products in the UK and are very proud of our British heritage and manufacturing capabilities.

OUR LOCATIONS

Hillbrush headquarters is situated on the outskirts of Mere, Wiltshire where we opened a state-of-the-art manufacturing facility at the end of 2016, which incorporates a visitor centre, brush museum, restaurant and shop. We also have a distribution centre and office in Baltimore (Maryland, USA) which serves our US and Canadian customers managed by Peter Coward (Vice President of Operations, Hillbrush Inc).

WHAT IS A ROYAL WARRANT?

The Royal Warrant is a recognition of personal service of a high order, and today there are over 850 Royal Warrant holders given permission to use the title and Royal Arms. It is a mark of acknowledgement of those who have supplied goods or services to the Households of HM The Queen, HRH The Duke of Edinburgh or HRH The Prince of Wales for at least five years and who have an ongoing trading arrangement. The Monarch decides who may grant Royal Warrants, and these are known as Grantors.

HILLBRUSH IS GRANTED A ROYAL WARRANT

Her Majesty The Queen visited Hillbrush in 1952 during a trip to the local area. In 1981 Hillbrush was granted a Royal Warrant to Her Majesty The Queen for the supply of brushware to the Royal Households, and retains the Warrant to this day.



HOW DID THE ASSOCIATION COME ABOUT?

The history of the Royal Warrant can be traced back to medieval times when competition for Royal favour was intense and the Monarch had the pick of the country's best tradespeople. In 1155 the Weavers Company received a Royal Charter from King Henry II, and by 1671 the tradesmen to King Charles II were controlled by the Master of His Majesty's Wardrobe. In the 18th century, Royal tradesmen began displaying the Royal Arms on their premises and stationery. In 1840, Warrant Holders formed the Royal Tradesmen Association which was initially formed to challenge the improper use of the Royal Arms. In 1902, the organisation changed its name to the Royal Warrant Holders Association, and in 1907 was incorporated by the Royal Charter. Under William and Mary, control of Royal Tradesmen became the responsibility of the Board of the Green Cloth and Ancient Royal Court of Justice which continued until the 1980s. Since then, the Lord Chamberlain, as head of the Royal Household, has been responsible for overseeing the Royal Warrants. In 2007 HM The Queen re-granted the association's Royal Charter. The Association celebrated its 175th anniversary in 2015.



BESPOKE BRUSHES



Experts in Brush Manufacture

SPECIAL BRUSHES

Hillbrush has been making brushes since 1922. Today we have almost 100 years' manufacturing expertise and have invested in the most modern brush making machinery available. We can manufacture bespoke products for you with either wood or plastic backs, filled with natural, synthetic or a mixture of fibres. We also have the unique capability for mixing both natural and synthetic brush fibres. Hillbrush has always been focussed on quality and service and is certified to ISO 9001. See the page opposite for more information on the ISO9001 certification.

PRODUCT BRANDING

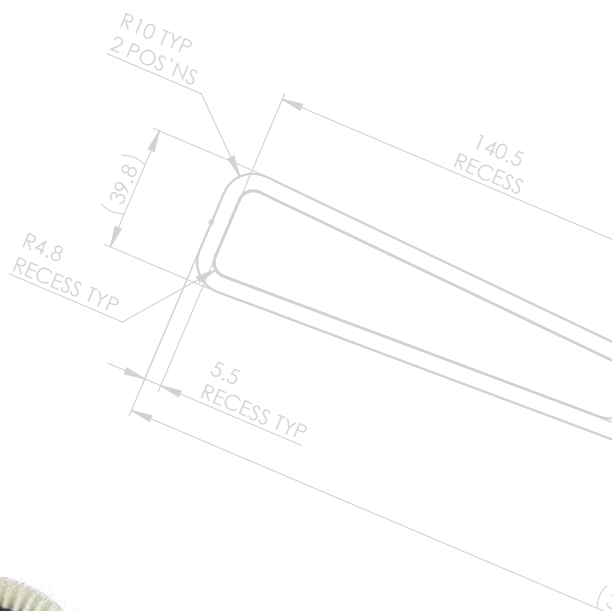
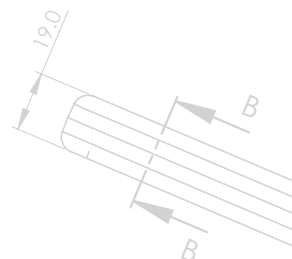
We have in-house printing facilities and expertise to apply your logo to many of our products. We are able to hot brand wooden brushes and pad print both wood and plastic backed products.

FITTED BROOMS

We offer a variety of clamps, sockets and stays to strengthen and stabilise handles on most of our wooden brushes. They come in a range of sizes so that you can find the perfect accessory for your brooms. These can be bought separately or can be assembled for you by our in-house team. Please note that bespoke combinations are made to order and can occasionally incur longer lead times, although there is a range of assembled products which are kept in stock (see page 23). Speak to one of our Customer Services team to find out about your options for fitted products.

DESIGN AND ENGINEERING

Hillbrush have the capability to design bespoke products using the latest design engineering software. We can advise on design, materials and all other aspects of the manufacturing process.



FIND OUT MORE
hillbrush.com/uk/Bespoke



TRADE MOULDING

From Concept through to Production

A BRIEF HISTORY

Until 2011, Hillbrush had historically used external trade moulding companies to produce bespoke plastic parts and our hygiene range. As demand for our hygiene range grew, so did the need for more flexibility and control over the moulding process and the materials being used for the hygienic range of products. In 2011 Hillbrush expanded their trade moulding capabilities through acquisition and have since invested heavily to now be one of the largest UK injection mould manufacturers.

All new state-of-the-art, energy efficient moulding machines have replaced the old machines. The moulding department at our new premises has an automated material feed system, an integrated cooling system and an overhead crane for quick mould changing. The department has been designed with the capability of considerably increasing the number of moulding machines.

CAPABILITIES

Our modern injection moulding facility consists of some of the latest machines ranging from 90 to 1000 tons locking force. Each machine has an automatic material feed system which takes the polymer from an internal material silo. This is supported by two automatic dosing systems for colour and other additives such as anti-microbial and metal detectable. We have the capabilities to mould most thermal plastic materials, Polypropylene, Polyethylene, Polycarbonates, ABS, Nylon and Acetal, and also glass or mineral-filled polymers.

DOES HILLBRUSH MAKE WHAT I NEED?

Hillbrush manufactures bespoke products to suit our customer requirements. Bespoke options range from new product design to injection moulding to co-branding.

DESIGN AND MANUFACTURE

We can help you design your product using Solidworks or you can come to us with finished drawings and specifications. We are also able to provide quotations for mould tool design and manufacture and can project manage the entire process.

INNOVATION AT THE HEART

At Hillbrush Trade Moulding, we produce moulded products from concept right through to production. We control all aspects of the moulding process, including sourcing FDA and EU food contact approved materials and ensuring the best mix of plastics and rubber are used in composite products.

ISO 9001 CERTIFICATION

This certification means that we set out key quality management principles, emphasising the importance of strong customer focus, the motivation and implication of top management, the process approach and continual improvement. Hillbrush is passionate about providing the highest level of customer service and producing superior quality products. It compliments our company ethos and ensures our rigorous quality control processes are upheld.

KEY SERVICES

- Assembly
- Insert Moulding
- Low or high volume production
- Overmoulding
- Option to sub-contract moulds
- Project management services for mould tool production
- Technical consultancy and specialist advice

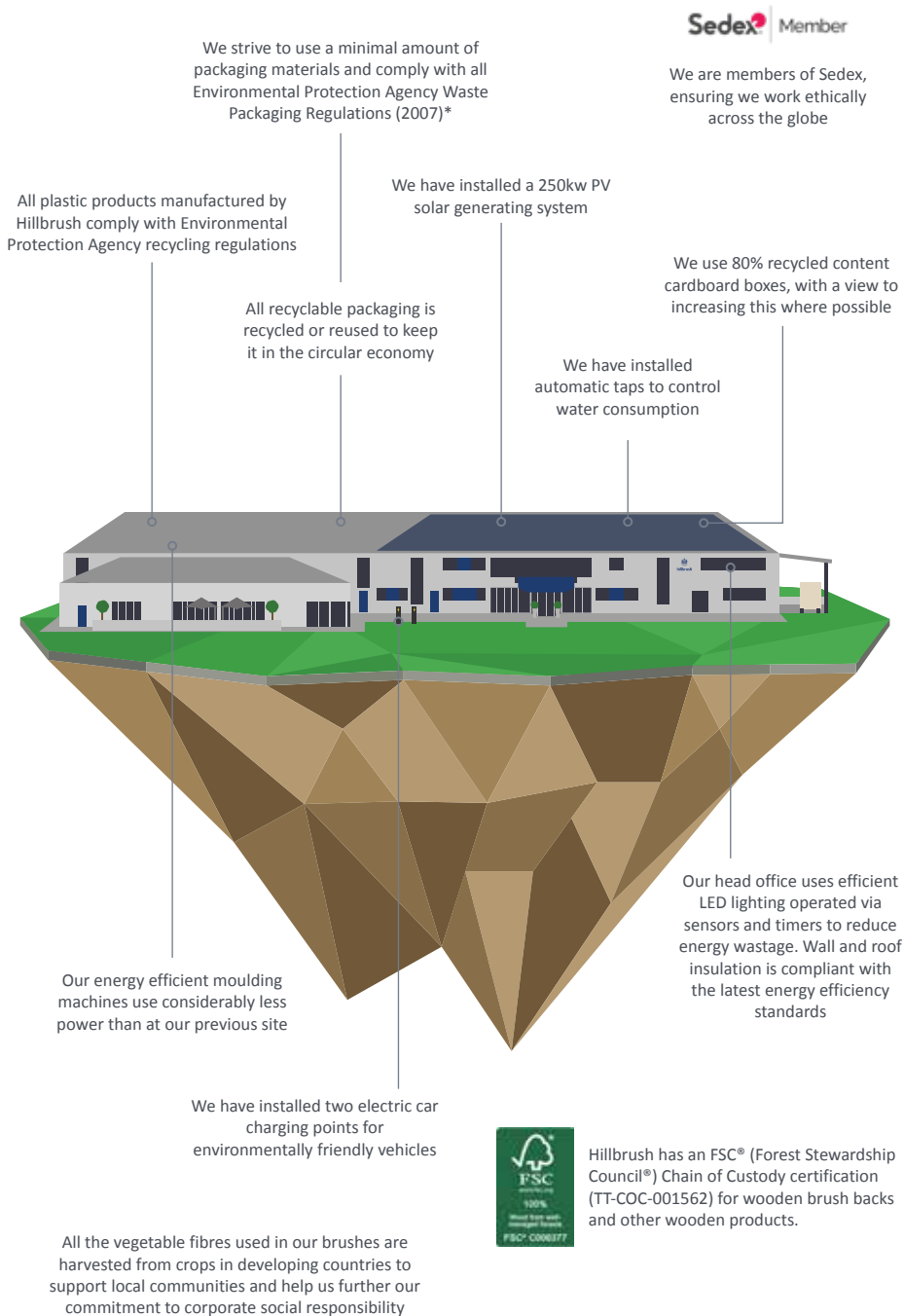
CONTACT US DIRECTLY

trademoulding@hillbrush.com



ENVIRONMENTAL

Committed to Protecting and Preserving the Environment



*Weight of packaging per product is available on request

WORKPLACE ORGANISATION



Whether you call them shadow boards, cleaning stations, tool boards, or visual management aids, Hillbrush can help design a bespoke workplace organisation solution, in order to create order, comply with industry standards, increase product lifespan and improve hygienic practices.

ORGANISATION AT ALL TIMES

Ensure that your cleaning equipment has a set storage space off the floor at all times to monitor product whereabouts and condition.

RIGHT PLACE, RIGHT TIME

By having shadow boards in each working area, staff will always have access to the right cleaning equipment for the job at the right time, reducing the risk of cross contamination across working areas.

CREATE ORDER, MITIGATE RISKS

Ensuring products are hung up separately allows them to hygienically air dry, reducing scope for bacterial growth. Colour coding products and cleaning areas aids business improvement and good hygiene practices such as HACCP, 5S and LEAN.

VISUAL MANAGEMENT

Make key messages understandable and visually segregate products to support good hygiene practices.

HYGIENIC GUIDELINES

The latest BRC V8 food safety guidelines suggest that 'Cleaning equipment shall be cleaned and stored in a hygienic manner to prevent contamination' and should be 'suitably identified for intended use (e.g. colour coded)'. Our workplace organisation solutions are an ideal method of complying with these new guidelines.

TIME SAVING

Providing a dedicated space for workplace cleaning equipment has been proven to save time and improve organisation, increase equipment life and therefore replacement costs.

FULLY BESPOKE

Hillbrush boards are designed to your specification by our expert team. Each board can include your company logo and/or your customer's logo and any other information you require. Manufactured from DiBond (3mm) or Anti-Microbial plastic (3mm or 6mm).

PROTECTED WITH BIOMASTER*

Biomaster Silver-Ion Antimicrobial Technology inhibits the growth and spread of bacteria.

Biomaster is infused throughout the boards, providing permanent protection from bacteria such as E.Coli, Listeria and MRSA among others. Combined with our Anti-Microbial cleaning tools, Anti-Microbial shadow boards provide the ultimate cleaning and hygienic storage solution



HILLBRUSH BOARDS



Bespoke



Anti-Microbial*



Lightweight



Durable



Non-Toxic



Anti-Static*



Portable*

FIND OUT MORE
hillbrush.com/sb

*Anti-Microbial Boards only





Pioneers of Hygenic Cleaning Equipment

Hillbrush Hygiene is an internationally recognised brand of cleaning equipment in the food manufacturing industry. Using state-of-the-art machinery and pioneering technologies, we manufacture a world class range of high performance brushes, squeegees and other cleaning equipment, including Resin-Set DRS® Brushware, Total MDX Hygienic Tools, Anti-Microbial Cleaning Equipment and the Hillbrush Foodservice range.

- All components including dyes and resin are FDA and EU food contact approved
- All products are corrosion and rot proof
- All products are designed to be effective and highly durable in tough conditions
- Brushes contain stainless steel staples
- Flagged fibres are not used
- All products are easily cleaned, dishwasher safe and can be autoclaved at 134°C
- We offer an unrivalled choice of products in this industry
- Products are available in up to 12 colours to assist with colour coding
- In-house brush manufacturing and injection moulding ensure consistent product quality
- Hillbrush is registered to the FEIBP Professional Hygiene Brush Charter (see page 32)
- All Hillbrush products comply with our Quality Assurance Programme

OUR RANGES

RESIN-SET DRS®

The Hillbrush Dual Retention System (DRS®) secures the folded polyester filaments into the brush back with stainless steel staples and an anti-microbial epoxy resin. The DRS® minimises the risk of filament loss from the brush and by filling the holes with resin, helps prevent any dirt and debris getting into the holes.



METAL AND X-RAY DETECTABLE (MDX) PLASTIC

Hillbrush has developed a range of hand brushes and plastic tools using metal detectable and x-ray visible plastic additives. There are two types of Hillbrush MDX products:



Total MDX: where all components are detectable, including resin and filaments. The brushes in this range are resin-set to ensure added filament security. These products are available in navy blue.

Colour Coded MDX: Where only the filaments are detectable and the brush back is available in 5 standard colours.

ANTI-MICROBIAL

Our Anti-Microbial cleaning products, available in up to 6 colours, are infused with Biomaster, a silver-ion based additive that disrupts the growth of moulds, fungi and bacteria on the products. Biomaster is up to 99.99% effective against microbes such as Listeria, E.Coli and MRSA, among others.



FOODSERVICE

This lighter range has been developed for food handling in the Hotel, Restaurant and Catering (HORECA) industries. The range is manufactured from the same high quality materials as our standard range, but the stocks are thinner. All components are FDA and EU approved for food contact and can be autoclaved (sanitised) up to 134°C. The products in this range can be branded with your company logo in the mould tool or as a print once manufactured.



ANCILLARY EQUIPMENT

Hillbrush Hygiene also includes a wide range of ancillary equipment including scoops, scrapers, shovels, buckets, dustpans and more, suitable for a wide range of cleaning applications.



HAND BRUSHES

SOFT BANISTER BRUSH (0.3MM)

B861



Resin-Set **B861RES**



Anti-Microbial **AMB861**



MDX **B861MDX**



Total MDX **B861RESMDX**



317 x 35mm

STIFF BANISTER BRUSH (0.6MM)

B862



Resin-Set **B862RES**



Anti-Microbial **AMB862**



317 x 35mm

EXTRA SOFT BANISTER BRUSH (0.2MM)

B863RES



Extra soft, ideal for flour, powders and sugar
317 x 35mm

MEDIUM BANISTER BRUSH (0.45MM)

B864



Resin-Set **B864RES**



317 x 35mm

SOFT XL BENCH BRUSH (0.3MM)

Resin-Set **B1851RES**



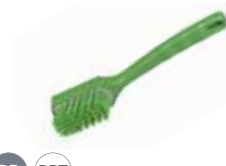
This brush is wider and longer than the B861
345 x 40mm

MEDIUM UTILITY BRUSH (0.35MM)

B884



Resin-Set **B884RES**



Excellent brush for spot cleaning chopping boards and utensils
260 x 48mm

STIFF SHORT HANDLED BRUSH (0.6MM)

D4



Resin-Set **D4RES**



Anti-Microbial **AMD4**



MDX **D4MDX**



Total MDX **D4RESMDX**



Heavy duty scrub, ideal for any surface, and getting into corners and rebates
254 x 72mm

SOFT SHORT HANDLED BRUSH (0.3MM)

D5



Resin-Set **D5RES**



Heavy duty scrub, ideal for any surface, and getting into corners and rebates
254 x 72mm

STIFF LONG HANDLED BRUSH (0.6MM)

D9



Resin-Set D9RES



MDX D9MDX



Total MDX D9RESMDX



For cleaning distant corners, awkward machinery and deeper vats
406 x 50mm

MEDIUM LONG HANDLED BRUSH (0.3MM)

D10



Resin-Set D10RES



For cleaning distant corners, awkward machinery and deeper vats
406 x 50mm

HEAT RESISTANT LONG HANDLED BRUSH (0.6MM)

D9-PEEK



Max usage temperature 250°C.
White back only.



Polyether Ether Ketone (PEEK) fibres will stand extreme continuous heat (250°C). White back only
406 x 50mm

MEDIUM GUARDED MACHINE BRUSH (0.45MM)

B1423RES



For cleaning around machine blades. White back only
550 x 20mm (120mm ø guard)

WIRE SCRATCH BRUSH (0.31MM)

WS6S



Resin-Set WS6SRES



Stainless steel wire brush, for scouring burnt-on, ingrained deposits
279 x 35mm

STIFF DETAIL BRUSH (0.4MM)

B1606



Chisel edged detail brush for spot work
225 x 21mm

SOFT PASTRY BRUSH (0.2MM)

PA2



For applying eggs, oil or butter to pastries. Not for cleaning machinery. Resin-Set without staples
240 x 21mm ø

NARROW GLAZING BRUSH (0.2MM)

GL30



For applying eggs, oil or butter to pastries. Not for cleaning machinery. Resin-Set without staples
200 x 25mm

MEDIUM GLAZING BRUSH (0.2MM)

GL11



For applying eggs, oil or butter to pastries. Not for cleaning machinery. Resin-Set without staples
210 x 50mm

WIDE GLAZING BRUSH (0.2MM)

GL31



For applying eggs, oil or butter to pastries. Not for cleaning machinery. Resin-Set without staples
220 x 75mm

STAINLESS STEEL STRIP BRUSH (0.35MM)

B1538



Robust, ultra thin blade for delicate work or tight areas.
Also good for cleaning fish after gutting
240 x 5mm

STAINLESS STEEL NICHE BRUSH (0.15MM)

B1240



Stainless steel wire detail brush
180 x 10mm

MEDIUM NICHE BRUSH (0.3MM)

B1241



Resin-Set B1241RES



For detailed work and cleaning machinery
180 x 10mm

STIFF ROUND SCRUB (0.6MM)

ST9



Resin-Set ST9RES



For cleaning sinks, trays, draining boards and worktops
100 x 115mm ø

MEDIUM SHORT HANDLED BRUSH (0.6MM)

D7



For removing debris from worktops, conveyor belts,
containers and machinery
254 x 68mm

STIFF NAIL BRUSH (0.4MM)

NA4



Resin-Set NA4RES



MDX NA4MDX



122 x 44mm

MEDIUM GRIPPY NAIL BRUSH (0.15MM)

NA10



102 x 34mm

STIFF GRIPPY SCRUB (0.6MM)

ST8



Heavy scrub for close work, chisel edged handle
152 x 60mm

DUAL STIFFNESS DOUBLE WING SCRUB (0.6MM)

ST5



Resin-Set ST5RES



AM AMST5



Extra heavy scrub, double wing for getting into rebates
and corners
210 x 65mm

STIFF LARGE CURVED BACK SCRUB (0.6MM)

ST7



Resin-Set ST7RES



Medium duty scrub, ideal for corners and rebates
198 x 70mm

FLOOR BRUSHES

For handles, see pages 22-23

EXTRA STIFF GROUT SCRUB WITH SWIVEL JOINT (0.6MM)

ST11



White back only
240 x 34mm

EXTRA STIFF SCRUB WITH SWIVEL JOINT (0.6MM)

ST12



For scrubbing tight areas that require high manoeuvrability. White back only
197 x 78mm

MEDIUM 230MM MINI FLOOR BRUSH (0.45MM)

B929



Resin-Set **B929RES**



For close work in small areas
230 x 50mm

EXTRA STIFF 230MM DECK SCRUB (0.6MM)

B928



Resin-Set **B928RES**



Small scrub for spot work
230 x 50mm

STAINLESS STEEL 230MM DECK SCRUB (0.31MM)

B1342



Resin-Set **B1342RES**



Stainless steel wire scouring brush, for use on concrete
230 x 50mm

254MM MEDIUM UPRIGHT SOCKET BRUSH (0.45MM)

B1850



Resin-Set **B1850RES**



For sweeping in tight areas. Often used with a lobby dustpan
254 x 45mm

254MM MEDIUM ANGLED FLOOR BRUSH (0.6MM)

B1852



Resin-Set **B1852RES**



Allows swift clearing of small areas, angled fibres excellent for edges and corners
254 x 45mm

MEDIUM HIGH-LOW BRUSH (0.45MM)

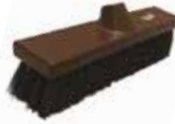
B1783



Dual angle tufts and oblique angle socket allow easy cleaning under low tables, and walls
254 x 50mm

280MM SOFT FLOOR BRUSH (0.3MM)

B1731



Light and agile. Thinner block. Recommended handle: ALH5
280 x 58mm

280MM MEDIUM FLOOR BRUSH (0.45MM)

B1732



Light and agile. Thinner block. Recommended handle: ALH5
280 x 58mm

280MM STIFF FLOOR BRUSH (0.6MM)

B1733

Light and agile. Thinner block. Recommended handle: ALH5
280 x 58mm

280MM EXTRA STIFF DECK SCRUB (0.6MM)

B1745

Light and agile. Thinner block. Recommended handle: ALH5
280 x 58mm

OUTDOOR FLOOR BRUSH (1.01MM)

B757

For outdoor use on all types of debris
305 x 75mm

305MM SOFT FLOOR BRUSH (0.3MM)

B849Resin-Set **B849RES**

For drier, dustier areas
305 x 75mm

305MM MEDIUM FLOOR BRUSH (0.45MM)

B758Resin-Set **B758RES**Anti-Microbial **AMB758**

305 x 75mm

305MM STIFF FLOOR BRUSH (0.75MM)

B993Resin-Set **B993RES**

305 x 75mm

305MM STIFF DECK SCRUB (0.6MM)

B770Resin-Set **B770RES**Anti-Microbial **AMB770**

Heavy scrub for stains, stuck-on debris, spot cleaning
305 x 75mm

305MM EXTRA STIFF DECK SCRUB (0.75MM)

B759Resin-Set **B759RES**

Heavy scrub for more uneven or pitted surfaces
305 x 75mm

390MM SOFT NARROW FLOOR BRUSH (0.3MM)

B1082Resin-Set **B1082RES**

Narrow 50mm block reduces bulk and weight. Light and agile
390 x 50mm

390MM STIFF NARROW FLOOR BRUSH (0.6MM)

B1083Resin-Set **B1083RES**

Narrow 50mm block reduces bulk and weight. Light and agile
390 x 50mm

457MM MEDIUM FLOOR BRUSH (0.45MM)

B809Resin-Set **B809RES**Anti-Microbial **AMB809**

Heavy duty broom for large areas
457 x 75mm



457MM STIFF FLOOR BRUSH (0.75M)

B994Resin-Set **B994RES**Anti-Microbial **AMB994**

Heavy duty broom for large areas
457 x 75mm



500MM SOFT FLOOR BRUSH (0.3MM)

B1760

Light and agile. Thinner block. Recommended handle:
ALH5
500 x 60mm



500MM MEDIUM FLOOR BRUSH (0.45MM)

B1657

For lighter duty sweeping in large areas. Handle: ALH5
500 x 60mm



500MM STIFF FLOOR BRUSH (0.6MM)

B1786

Light and agile. Thinner block. Recommended handle:
ALH5
500 x 60mm



610MM MEDIUM FLOOR BRUSH (0.6MM)

B883Resin-Set **B883RES**

Heavy duty broom for wide open areas
610 x 75mm



610MM SOFT FLOOR BRUSH (0.3MM)

B1134Resin-Set **B1134RES**

Heavy duty broom for wide open areas
610 x 75mm



B883 + ALH8

FOODSERVICE

Colour coded economical brushware with stainless steel staples. Available in up to 5 colours. Perfect for use in the foodservice and HORECA (Hotel, Restaurant and Catering) industries. All components are FDA/EU food contact approved.



180MM STIFF ERGONOMIC SCRUB (0.6MM)

B1873



For cleaning stubborn dirt from trays, boards and work surfaces
180 x 50mm

215MM STIFF DECK SCRUB (0.6MM)

B1874



For removing stubborn debris from floors in small to medium areas
215 x 48mm

238MM STIFF UTILITY BRUSH (0.6MM)

B1875



For spot cleaning chopping boards and utensils
238 x 55mm

280MM SOFT FLOOR BRUSH (0.3MM)

B1876



For cleaning small to medium areas
280 x 55mm

280MM STIFF FLOOR BRUSH (0.6MM)

B1877



For clearing small to medium areas
280 x 55mm

380MM SOFT FLOOR BRUSH (0.3MM)

B1878



For sweeping medium to large areas
380 x 55mm

380MM STIFF FLOOR BRUSH (0.6MM)

B1879



For sweeping medium to large areas
380 x 55mm

MEDIUM DISH WASH BRUSH (0.35MM)

DW1090



270 x 30mm

1245MM LIGHT DUTY ALUMINIUM HANDLE

ALH6



Lower weight handle than our standard handles (22-23) for use with the Foodservice Range
1245 x 25mm Ø

FIND OUT MORE
hillbrush.com/foodservice

WATERFLOW

MEDIUM WATERFLOW TANK BRUSH (0.35MM)

WFD77



For cleaning tanks, vats and gullies. Two holes allow water to pass through
216 x 59mm

STIFF WATERFLOW TANK BRUSH (0.6MM)

WFD79



For cleaning tanks, vats and gullies. Two holes allow water to pass through
216 x 59mm

SOFT CURVED WALL BRUSH (0.3MM)

B1056



The oblique handle socket, rounded edges and very dense, soft fibre makes this an ideal wall and vehicle cleaning brush. Two holes allow water to pass through. White back only. 216 x 59mm

WATERFLOW HANDLE CONNECTOR

WH/CON



For joining the ALH18 handle to the ALH17 extension piece
216 x 59mm

WATER STOP CONNECTOR

W/STOP



Required for use with all waterflow handles. When disconnected, water flow is shut off
216 x 59mm



1 POLYPROPYLENE WATERFLOW HANDLE

WFPLH3



Fixed length polypropylene waterflow handle
1400 x 25mm Ø

2 EXTENDING ALUMINIUM WATERFLOW HANDLE

WFPLH3EX



Telescopic waterflow handle
1700-2800 x 25mm Ø

3 ALUMINIUM WATERFLOW EXTENSION

ALH17



Extension tube to go with ALH18. WH/CON is required to connect
690 x 25mm Ø

4 ALUMINIUM WATERFLOW HANDLE

ALH18



Fixed length aluminium waterflow handle
1350 x 25mm Ø

BULK TANK BRUSHES

MEDIUM BULK TANK BRUSH (0.35MM)

D77



Resin-Set D77RES



MDX D77MDX



Resin shape



For cleaning tanks, vats and gullies
216 x 59mm

STIFF BULK TANK BRUSH (0.6MM)

D79



Resin-Set D79RES



Anti-Microbial AMD79



MDX D79MDX



Standard shape



For cleaning tanks, vats and gullies
216 x 59mm

TUBE & TWISTED WIRE BRUSHES

PLASTIC CORE TUBE BRUSH (0.45MM - 0.6MM)

75mm ϕ x 180mm, Medium Crimped Fill B1529/75115mm ϕ x 190mm, Medium Fill B1529/115

For cleaning tubes and drains. White core only
175mm length



FLEXIBLE TWISTED WIRE BRUSH (0.4MM - 0.6MM)

25mm ϕ , Medium Fill T94265mm ϕ , Medium Fill T945

Twisted wire brush on a 3m long highly flexible Acetyl rod
3000mm length



TWISTED WIRE BRUSH (STAINLESS STEEL)

13mm ϕ , Medium Fill T831 (0.3mm)25mm ϕ , Medium Fill T832 (0.4mm)38mm ϕ , Medium Fill T833 (0.4mm)50mm ϕ , Medium Fill T834 (0.6mm)64mm ϕ , Medium Fill T835 (0.6mm)

Comfortable plastic grip with hanging hole
T831, T832 = 375mm overall length
T833, T834, T835 = 400mm overall length

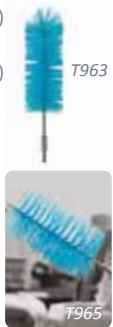


T835

TWISTED WIRE BRUSH HEAD

13mm ϕ , Medium Fill T961 (0.25mm)20mm ϕ , Medium Fill T962 (0.25mm)38mm ϕ , Medium Fill T963 (0.3mm)50mm ϕ , Medium Fill T964 (0.6mm)64mm ϕ , Medium Fill T965 (0.6mm)75mm ϕ , Medium Fill T966 (0.6mm)

For long pipes with moderate curves. The T961, T962 and T963 have fan tufts, the T964, T965 and T966 do not. For exclusive use with the T/HAN range of handles below



T963

T965

FLEXIBLE STAINLESS STEEL WIRE HANDLES

800mm T/HAN800
1500mm T/HAN1500
3000mm T/HAN3000



Highly flexible stainless steel wire handle with ferrule to fit T961 - T966 brushes



SQUEEGEES

ULTRA HYGIENIC ONE-PIECE SQUEEGEE

300mm PLSB30
●●●●●●●●●●

400mm PLSB40
●●●●●●●●●●

500mm PLSB50
●●●●●●●●●●

600mm PLSB60
●●●●●●●●●●

700mm PLSB70
●●●●●●●●●●

Anti-Microbial 600mm AMPLSB60
●●●●●●●●●●

Total MDX 600mm PLSB60MDX
●



Light, durable, manoeuvrable, very good for moving liquids. The rubber blade is formulated to be FDA approved for food contact, and to resist attack by oils and other abrasive substances. Suitable handles: ALH7, ALH8, ALH27

SWIVEL HEAD ULTRA HYGIENIC ONE-PIECE SQUEEGEE

600mm SWPLSB60
●●●●●●●●●●



For clearing large amounts of liquid in awkward areas. For ultimate manoeuvrability

DOUBLE BLADE SQUEEGEE

450mm PS45
●●●●●●●●●●

600mm PS60
●●●●●●●●●●



Closed cell Dura-Flex™ rubber blade to prevent moisture penetration and promote longevity. For lighter use



PS45 + ALH7

ULTRA HYGIENIC ONE-PIECE HAND HELD SQUEEGEE

B1802
●●●●●●●●●●

MDX B1802MDX
●



For removing large amounts of liquid on smaller tabletop areas
300 x 50mm

Plastic Handle B1785
●●●●●●●●●●

173mm plastic handle, typically used with PLSB30 (see B1802), or PLSB40



SWPLSB60 + ALH8

CASSETTE SQUEEGEE

400mm SQCAS4
●●●●●●●●●●

600mm SQCAS6
●●●●●●●●●●



Closed cell Dura-Flex™ rubber blade to prevent moisture penetration and promote longevity. Heavy frame for hard use. Worn out rubber blades may easily be replaced using the refill cassette system

Refill 400mm CAS4
Refill 600mm CASA



HANDLES



1 MINI ALUMINIUM HANDLE**ALH30**

Polypropylene grip
340 x 25mm Ø

2 SHORT ALUMINIUM HANDLE**ALH15**

Polypropylene grip
700 x 25mm Ø

3 LIGHT DUTY ALUMINIUM HANDLE**ALH6**

Polypropylene grip. For
Foodservice products on page 18
1245 x 25mm Ø

4 LIGHT DUTY ALUMINIUM HANDLE**ALH5**

Polypropylene grip. Recommended
for lighter duty brushes
1270 x 25mm Ø

5 STAINLESS STEEL HANDLE**SSH2****MDX SSH2MDX**

Polypropylene grip
1350 x 25mm Ø

6 ALUMINIUM HANDLE**ALH7****Anti-Microbial AMALH7**

Polypropylene grip. One of our
most popular handles
1360 x 25mm Ø

7 SWAGED END ALUMINIUM HANDLE**ALH7A**

Polypropylene grip. For use with
lightweight metal squeegees and
ZP/FRM
1360 x 25mm Ø

8 ALUMINIUM HANDLE**ALH27**

Polypropylene sleeve
1380 x 25mm Ø

9 ONE-PIECE PLASTIC HANDLE**PLH3****Anti-Microbial AMPLH3**

Reinforced threaded end
1400 x 25mm Ø

10 FIBREGlass HANDLE**FGH2**

Polypropylene grip
1400 x 25mm Ø

11 LONG ALUMINIUM HANDLE**ALH8**

Polypropylene sleeve
1535 x 25mm Ø

12 STAINLESS STEEL HANDLE**SSH4**

Polypropylene grip
1550 x 25mm Ø

ACCESSORIES

ACME HANDLE ADAPTOR**ADPT2**

For joining metric threaded handles to ACME threaded
products
85 x 32mm Ø

**POLYPROPYLENE GRIP REPLACEMENT****PLHGRP6**

Fits SSH2, SSH4, ALH30, ALH15, ALH7, ALH7A, FGH2
150mm



SCRAPERS

MEDIUM PLASTIC SCRAPER

PSC1



Anti-Microbial AMPSC1



MDX PSC1MDX



205 x 76mm

LARGE PLASTIC SCRAPER

PSC2



Anti-Microbial AMPSC2



MDX PSC2MDX



255 x 110mm

FLEXIBLE PLASTIC SCRAPER

FLPSC3



Flat, graduated radial and shaped edges make this flexible scraper ideal for bowls, trays and lids
90 x 200mm

LARGE HEAT RESISTANT PLASTIC SCRAPER

PSC5



For hot surfaces, up to 240°C
255 x 110mm

NARROW STAINLESS STEEL HAND SCRAPER

MSC3/38



Rigid stainless steel scraper, with polypropylene grip
38 x 230mm

WIDE STAINLESS STEEL HAND SCRAPER

MSC3



Rigid stainless steel scraper, with polypropylene grip
75 x 225mm

FLEXIBLE STAINLESS STEEL SCRAPER

MSC22



Highly flexible for easy cleaning of flat, hard surfaces
125 x 100mm (85mm blade)

STAINLESS STEEL DOUGH CUTTER

MSC4



Suitable for cutting and scraping dough
157 x 87mm (45mm blade)

HEAVY DUTY STAINLESS STEEL SCRAPER

MSC1



The handle and scraper frame will not come apart
200 x 1300mm

Replacement Blade for MSC1 **MBLD1**

DUSTPANS AND SCOOPS

OPEN DUSTPAN

DP13



Anti-Microbial **AMDP13**



For clearing small areas of debris. Great with B861-4 on page 12
325 x 315mm



ENCLOSED DUSTPAN

DP3



For clearing small areas of debris. Great with B861-4 on page 12
180 x 300mm



HYGIENIC LOBBY PAN WITH 10" ANGLE BRUSH

DP7SET



Colour coded lid. Ideal for upright sweeping in smaller areas
260 x 300 x 145mm, maximum height at rest (as shown) 908mm



MINI SEAMLESS HAND SCOOP

SCOOP1



40 x 68 x 100mm (excluding handle) Approximate capacity 180ml



SMALL SEAMLESS HAND SCOOP

SCOOP2



Anti-Microbial **AMSCOOP2**



MDX **SCOOP2MDX**



60 x 110 x 145mm (excluding handle) Approximate capacity 650ml



MEDIUM SEAMLESS HAND SCOOP

SCOOP3



75 x 130 x 195mm (excluding handle) Approximate capacity 1360ml



LARGE SEAMLESS HAND SCOOP

SCOOP4



Anti-Microbial **AMSCOOP4**



MDX **SCOOP4MDX**



90 x 170 x 260mm (excluding handle) Approximate capacity 2720ml



BOWL SCOOP

SCOOP7



Useful pouring lip both sides for liquids. Approx capacity 1500ml
215mm ø (bowl)



DP13 + B1851RES

BUCKETS

ULTRA HYGIENIC BUCKET WITH LID

MBK15/SET



Anti-Microbial **AMMBK15/SET**



MDX **MBK15/SETMDX**



12 litre, 2.64 imperial G, 3.2 USG with detachable lid
290 x 308mm ø



ULTRA HYGIENIC BUCKET

MBK15



Anti-Microbial **AMMBK15**



MDX **MBK15MDX**



12 litre, 2.64 imperial G, 3.2 USG bucket only
290 x 308mm ø



ULTRA HYGIENIC BUCKET LID

MBK15/LID



Anti-Microbial **AMMBK15/LID**



MDX **MBK15/LIDMDX**



Lid suitable for the MBK15
15 x 310mm ø



WALL BRACKET

HH2



Anti-Microbial **AMHH2**



Use with HH1 and MBK15
120 x 110 x 90mm



PADDLES

1 ONE PIECE PADDLE

PADL10



White only. For mixing ingredients
in cooking vats or for use in food
preparation areas

1200 x 160mm (260mm blade)

2 ONE PIECE PADDLE WITH HOLES

PADL11



White only. For mixing ingredients
in cooking vats or for use in food
preparation areas

1200 x 160mm (260mm blade)

3 PADDLE WITH HANDLE

PADL3



The stainless steel handle and
Polyester blade will not come
apart. The blade can withstand
temperatures of up to 240°C
1520 x 155mm (200mm blade)



SHOVELS



1 HEAVY DUTY D-GRIP SHOVEL

PSHOPL



One piece plastic shovel
390 x 330mm (1320mm overall)

2 D-GRIP SHOVEL

PSH13



Anti-Microbial **AMPSH13**



320 x 260mm (1150mm overall)

3 D-GRIP SHOVEL

PSH6



330 x 310mm (1170mm overall)

4 T-GRIP SHOVEL

PSH2



320 x 260mm (1150mm overall)

5 SOFT GRIP HAND SHOVEL

PSH7



320 x 260mm (580mm overall)

HYGIENIC RAKE

HYGIENIC RAKE

UNIRAKE



Stainless steel tube handle with hand grip. For handling and processing of grapes, spent grain and hops. Superior handling performance and durability
210 x 260mm head, 1500mm handle

HYGIENIC RAKE HEAD ONLY

UNIRAKE/HO



Polypropylene rake head with
ACME thread
210 x 260mm



HANGING SYSTEMS

OVERMOULDED HANGER

WLBR1



Overmoulded with anti-slip thermoplastic rubber
206 x 75mm

STAINLESS STEEL HOOKS

Standard (Square Back)

SSHOOK1

Smart Hook (Round Back)

SSHOOK2



SSHOOK1 suitable for use individually or on shadow boards. SSSHOOK2 complete with stainless steel bolt and washer. For shadow boards only

SSHOOK1 = L60 x W50 x H55mm

SSHOOK2 = 80 x 19mm ø

ALUMINIUM HANGING RAIL SET

5 x HOLD1 HD6



For storing cleaning tools according to a colour coded system. System comes with fixing screws and plugs
515 x 55mm

ALUMINIUM HANGING RAIL

RAIL500



Each rail comes with a set of different colour end caps. Suitable for HOLD1, HOLD2, HDHOOK1. Comes with fixing screws and plugs

515 x 55mm

LARGE PLASTIC HANGER

HOLD2



Fits RAIL500. For 30-40mm ø items. Can be used individually. Suitable for shadow board use. Screws and wall plugs not included

83 x 35 x 78mm

STAINLESS STEEL HANGER

SSHANG1



Easy to clean hanger. Asymmetrical spacing for holding a bucket

206 x 75mm

STAINLESS STEEL SHADOW BOARD SPACER

SSSPACER



For hanging shadow boards away from the walls to allow access behind for cleaning. Made from solid stainless steel. Will not rust

30 x 19mm ø

ALUMINIUM HANGING RAIL SET

3 x HOLD2 HD7



For storing larger cleaning tools according to a colour coded system. System comes with fixing screws and plugs
515 x 55mm

MEDIUM PLASTIC HANGER

HOLD1



Fits RAIL500. For 20-30mm ø items. Can be used individually. Suitable for shadow board use

72 x 35 x 77mm

PLASTIC HOOK

HDHOOK1



Fits RAIL500 and can be used individually. Screws and wall plugs are not included

55 x 70mm



DP4SET

A comprehensive collection of janitorial products suitable for a multitude of uses in schools, council areas, agricultural, construction and maintenance settings and other commercial applications.

JANITORIAL EQUIPMENT

DUSTPAN WITH STIFF BANISTER BRUSH

DP9SET
● ● ● ● ●



330 x 203mm



LIGHT LOBBY DUSTPAN AND ANGLED BRUSH SET

Flagged Polythene Fill DP10SET
● ● ● ● ●



900 x 280



LARGE FORCE SINK PLUNGER (NEW)

PL21



Rubber suction cup with wooden handle.
(Previously black rubber, 406 x 120mm ø)
361 x 150mm ø



BAG HOOP

HH1
● ● ● ● ●



Conveniently holds rubbish bags open. Light and easy to use in commercial or industrial settings with our litterpickers
335mm ø



MOP BUCKET

12 Litre MBK7
● ● ● ● ●



With rose and pouring lip
285 x 370 ø



STIFF DOMED HEAD TOILET BRUSH WITH HOLDER

Polypropylene Fill N6



Brush: 360 x 75mm ø
Pot: 356 x 125mm ø



STIFF DOMED HEAD TOILET BRUSH WITH HOLDER

Polypropylene Fill N11



385 x 142mm ø



STANDARD EXCEL MOP

200g MOP2/200
● ● ● ● ●



Twine mop with coloured socket. Suitable handles:
ALH6, ALH7



LITTERPICKERS

SOFT GRIP LITTERPICKER

LP30



850 x 110mm



HILLBRUSH LITTERPICKER WITH TRIGGERGUARD™

LP31



850 x 110mm



SOFT GRIP HILLBRUSH LITTERPICKER

Angled Handle LP33



890 x 155mm



SHOVELS

1 D-GRIP LIGHTWEIGHT SHOVEL

PSH8



Good for local council and yard use. Can be broken down into 3 parts
320 x 260mm (1100mm overall)

2 HEAVY DUTY SNOW SHOVEL

Wooden Handle PSH100



Wide mouth and steel lip for cutting ice
380 x 435mm (1320mm overall)

3 HEAVY DUTY SNOW SHOVEL

Wooden Handle PSHSB17



PP

Ideal for use in snow and bad weather
400 x 420mm (1792mm overall)



DUSTERS

1 EXTRA SOFT COBWEB BRUSH

PVC Fill (Extending Handle) **COR9**



Domed head for awkward areas
150 x 170mm ø (1170-1960 Overall)



2 EXTRA SOFT COBWEB BRUSH

PVC Fill (Extending Handle) **COR10**



Assorted colours
470 x 60mm ø (1400-1920 Overall)

For more janitorial brushware and cleaning equipment, go online to hillbrush.com, or request a copy of our main product catalogue where you will find our full range of commercial products.



Charter for Professional Hygiene Brushware

Hillbrush is registered to the FEIBP (European Brushware Federation) Charter for Professional Hygiene Brushware and ensures that products belonging to the Hillbrush Hygiene brand are compliant in every aspect.

The FEIBP responded to a market requirement by introducing a Charter for Professional Hygiene Brushware. The Charter has been established so as to enable the purchasers of this type of product to be confident that they will be supplied with high quality professional brushware which comply with all existing hygiene regulations. The customers still have the responsibility of organising their own hygiene systems, but will be assured that if they purchase professional hygiene brushware from an FEIBP registered manufacturer it will be fit for purpose. The PHB logo is officially registered as EU collective trademark no. 010919132.

1. DEFINITION OF HYGIENE BRUSHWARE

These are products from the brushware sector which are intended for use in any food business (which includes preparation, processing, manufacturing, packing, storing, transportation, distribution, handling or offering for sale or supply, see COUNCIL DIRECTIVE 93/43 ECC 14th June 1993) or other hygienically sensitive areas such as hospitals, etc. The products are characterised by the fact that they are constructed in such a way, and of such materials, that they will not in themselves absorb bacteria or contaminate any food stuffs or sensitive areas during their normal use. The materials should be corrosion proof and non-toxic, and the products should be able to withstand sterilisation or disinfection by other processes, including chemical treatment.

2. SPECIFICATIONS OF BRUSHES, HANDLES AND SQUEEGEES

2.1 BRUSH COMPONENTS

The brush components must be made of materials resistant to solvents, chemical cleaning agents and temperatures required for disinfection. The components must not contain Chlorine. Any additives/compounds or colourants must be food grade of a recognised standard, and must not contain lead, mercury or cadmium. No hollow or flagged fibres are to be allowed or used.

2.2 BRUSH FILLING MATERIAL FIXING

The brush filling material retention must be by means of either wire (which cannot be attacked or made brittle by oxidation) and/or by means of epoxy resin, which is made up of food grade components of a recognised standard, or of fused construction.

2.3 HANDLES

Handles must be manufactured from food grade stainless steel or fibreglass with a topcoat, or aluminium which is either anodised or coated with approved materials, or plastic. All handle fittings (handgrips and threads) must be made from materials as those defined under "brush components".

2.4 SQUEEGEES

Squeegees for hygiene areas which use solid rubber or foamed rubber with minimum 95% closed cells in a double up construction, must be designed in such a way, that they can be cleaned, disinfected and inspected.

2.5 RELATED CLEANING EQUIPMENT

Plastic hand scoops, hand scrapers, shovels, containers/ bins, stainless steel hand scrapers and floor scrapers.

2.6 MARKING/IDENTIFICATION

All marking of the products must be carried out by the best technical and hygienic methods possible, prescribed or not.

EXCLUSIONS OF LIABILITY

Information contained in this or any other Hillbrush catalogue is provided in good faith to assist in the correct application of the products specified. The information provided is accurate to the best knowledge and belief of Hillbrush. The use and application of the information contained within the catalogue remains, at all times, the responsibility of the user who should ensure the suitability of the products for the intended application. Hillbrush accepts no liability whatsoever (except as otherwise provided by law) arising out of the misuse of the information provided. Specifications may be changed without notice.



HYGIENE AND HILLBRUSH



Colour Coding and HACCP Explained

HOW HILLBRUSH HYGIENE CAN HELP

Hillbrush Hygiene is known worldwide for our selection of high quality cleaning tools. We have a substantial catalogue of cleaning products suitable for a wide range of applications, including ultra-sensitive food contact areas, hospitals, food manufacturing facilities, kitchens and other catering establishments, and personal use. Manufactured in the UK, Hillbrush Hygiene products are exceptionally durable, are autoclavable up to 134°C (275°F) and most are manufactured from FDA and EU food contact approved materials. These features, along with our extensive range of standard and specialist products and organisational systems, keep Hillbrush Hygiene at the forefront of hygienic cleaning. We are committed to providing the best products and customer service to help you reach and maintain the highest cleaning standards possible.

HACCP

Hazard Analysis and Critical Control Points, or HACCP as it is commonly known, is a preventative approach to food safety from biological, chemical, and physical hazards in food production. By identifying critical control points, the HACCP system can be used at every stage of the food chain from manufacturing through to distribution.

THE SEVEN KEY PRINCIPLES OF HACCP

1. Conduct an analysis of hazards
2. Determine the Critical Control Points
3. Establish critical limits
4. Set up a monitoring system
5. Establish a procedure for corrective action
6. Establish procedures by which to verify the effectiveness of the HACCP plan
7. Maintain thorough records

WORKPLACE ORGANISATION

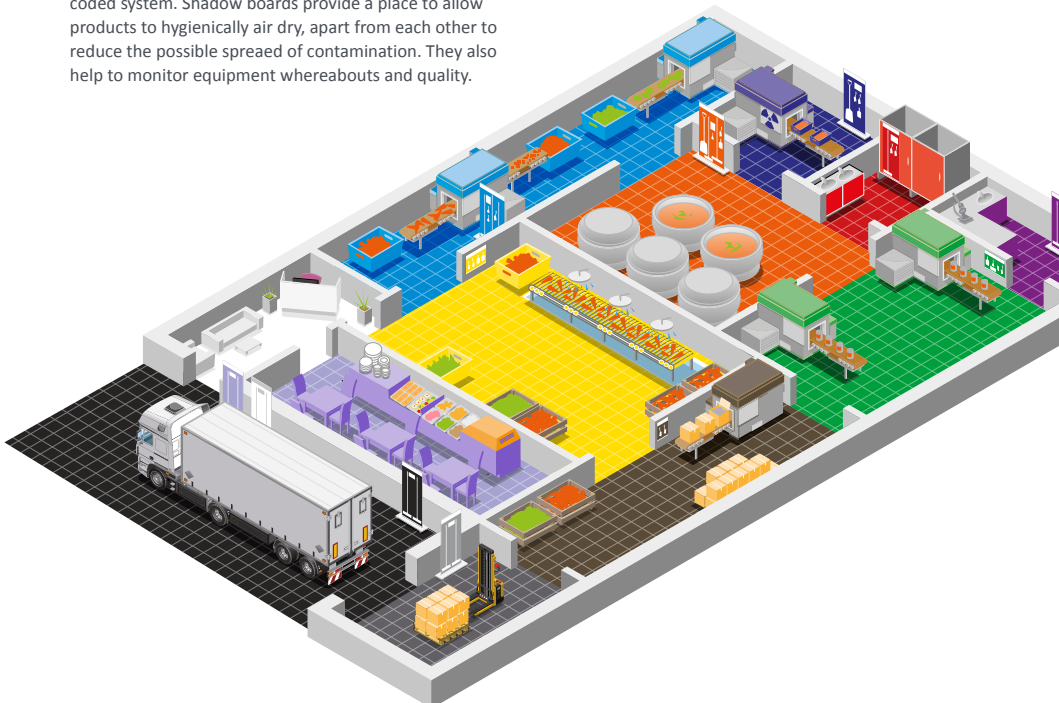
Shadow boards are an effective method of organising your workplace cleaning equipment according to a colour coded system. Shadow boards provide a place to allow products to hygienically air dry, apart from each other to reduce the possible spread of contamination. They also help to monitor equipment whereabouts and quality.

THE 5S SYSTEM

A simple process to create a safer, cleaner and well-organised workplace, through order and standardisation. These principles work alongside HACCP guidelines to improve efficiency and profitability.



1. Sort – establish which tools are needed in which area
2. Set in place – organise into designated colour-coded zones
3. Shine – carry out regular cleaning and maintenance
4. Standardise – set out cleaning and maintenance procedures
5. Sustain – ensure standards are followed



PRODUCT MAINTENANCE

Product Care

CLEANING YOUR TOOLS

- Remove visible dirt and foreign objects with a stiff brush.
- Use a cleaning solution with a pH 5 or less.
- Rinse thoroughly with clean water.
- If lime residue has formed on a tool it can be removed by washing in a cleaning solution with a pH 5 or less.
- Clean after washing with an approved disinfectant.
- Remove disinfectant residue by rinsing with clean water or using an industrial dishwasher (82°C/175°F).
- Hillbrush Hygiene products can be sterilised by autoclaving at temperatures up to 134°C/275°F.
- Ensure tools have sufficiently cooled before using again.
- Use a wall hanging system or shadow board to hygienically air-dry products.

STORING YOUR TOOLS

- Store cleaning equipment away from working surfaces.
- Install shadow boards in partitioned work areas.
- Use a colour-coded hanging system to organise tools and avoid cross-contamination.

REPLACE YOUR TOOLS WHEN:

- Filaments are entangled, creating bacterial growth hotspots.
- Filaments are worn excessively or discoloured.
- Plastic moulds are scratched badly or marked.
- The handle is broken or bent.

Properties of Monofilaments

Properties	Unit of Measure	Nylon 6	Nylon 66	Polyester PBT	Polypropylene
Specific Gravity	–	1.14	1.14	1.34	0.91
Melting Point	°C	220	255	225	168
Maximum Working Temp	°C	100-120	100-120	80-100	70
Moisture Absorption	%	3	2.8	0.30	0.00
Water Absorption	%	9.5	8.5	0.5	0.01
Tensile Strength (Dry)	N/mm2	80	85	36	55
Loss of Stiffness (Wet)	%	70/80	50/60	1.2	1.2
Abrasion Resistance	–	–	–	–	–
Bend Recovery	–	–	–	HIGH	–
Toxicity	–	NONE	NONE	NONE	NONE
Swelling in Water	%	2	2	0	0

Product Compliance Information

We hereby confirm that all products in our hygiene range comply with the legal regulations laid down in the European Plastic Regulation (EU) No 10/2011 as well as in Regulation (EC) No 1935/2004, both as amended. (More information is available on request.)

- Individual data sheets to satisfy your customers and their auditors are available on each product page online.
- Full product compliance documentation is also available covering all available Hillbrush Hygiene products, including migration test and detectability information. (Available from hillbrush.com/techinfo)

The table above and the table over the page act as a guide for using the listed chemicals as stated. Tests should always be carried out when using chemical combinations or substances not listed. We are unable to accept responsibility in respect of factors, which are outside our knowledge or control and affect the use of products. No warranty is given or is to be implied with respect to such information. Freedom under patents, copyrights and registered designs cannot be assumed. For additional information, please visit our website where you can download further Chemical Resistance Guides: hillbrush.com/uk/About/Technical-Information/material-properties/. Please contact us for information about Polyether Ether Ketone (PEEK)

CHEMICAL RESISTANCE GUIDE

Tolerance Ratings



Chemical	Concentration	Nylon 6	Nylon 66	Polyester PBT	Polypropylene
Acetic acid	100%	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Acetone	100%	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Ammonia Liquid	–	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Aniline	100%	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Benzene	100%	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Bleaching Solutions Dilute	–	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Caustic Potash	10%	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Caustic Potash	50%	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Chlorine Water Saturated	–	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Chloroform	100%	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Chromic Acid	10%	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Citric Acid	10%	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Detergent-Soaps	–	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Ethanol	96%	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Ethylacetate	100%	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Formic Acid	98%	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Fuel Oil	–	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Glycerin	–	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Hydrochloric Acid	30%	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Lactic Acid	20%	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Methyl Alcohol	100%	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Mineral Oil	–	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Nitric Acid	10%	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Nitric Acid	50%	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Oleic Acid	100%	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Oxalic Acid	10%	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Petrol	–	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Phosphoric Acid	85%	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Sea Water	–	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Sodium Chloride (Salt)	–	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Sodium Hydroxide	10%	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Sodium Hydroxide	50%	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Sodium Hypochloride	10%	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Stearic Acid	100%	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Sulphuric Acid	10%	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Sulphuric Acid	100%	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Tetrachloroethylene	–	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
Toluene	100%	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>

Chemical	Concentration	Nylon 6	Nylon 66	Polyester PBT	Polypropylene
Trichloroethylene	–				
Turpentine	100%				
Vaseline	–				
Vegetable Oil	–				

The above information is given on the assumption that the temperature of the chemical does not exceed 20°C. Please contact us for information about Polyether Ether Ketone (PEEK).

SYMBOL GUIDE

	Autoclavable		Nylon Body		Stainless Steel Fill
	Trim Length		ABS Body		Steel Fill
	For Standard Handles Only		Fibreglass Body		Diameter
	For Threaded Handles Only		Aluminium Body		Fitted with Handle
	For Standard & Threaded Handles		Stainless Steel Body		Fitted with Handle and Stay
	Temperature Tolerance		Thermoplastic Rubber		Capacity
	Pack Quantity - Can be Split		Polyether Ether Ketone Fill		Weight
	Pack Quantity - Cannot be Split		Polypropylene Fill		Machine Washable
	Polypropylene Body		PVC Fill		Non-Food Contact*
	PVC Body		Polyester Fill		Waterflow
	Polyethylene Body		Nylon Fill		Products available in up to the stated amount of colours**

*According to FEIBP regulations

**Not all products per category are available in all colours noted on the colour wheel

When ordering our products you will notice there are variations for certain products. These are explained using the following key:

AM: Anti-Microbial

MDX: Metal detectable and X-ray visible

RES: Resin-Set DRS® Brushware

When ordering our colour-coded products, please use the colour notations below (listed in brackets next to the relevant colour) to denote which colour you would like to purchase. On the majority of our Hygiene products, add the colour notation to the end of the product code. For example, if you wish to purchase a Yellow B861, simply add a Y to the end of the code as so: B861Y.

Please note: Our Resin-Set DRS® and Colour-Coded MDX products will need the colour notation before the RES or MDX notation. For example, B861YRES, or B861YMDX. Our Total MDX (dark blue) does not need a colour reference.

	Blue (B)		Grey (GRY)		White (W)
	Black (BLK)		Red (R)		Yellow (Y)
	Brown (BRN)		Tangerine (T)		Anti-Microbial Purple (P)
	Green (G)		Violet (V)		MDX Dark Blue †

† Colour already include within product code

CARRIAGE

NETT CARRIAGE CHARGES

Orders for standard catalogue items are sent carriage paid to mainland UK on minimum order value of £300 nett, Northern Ireland on minimum value of £760 nett and to Southern Ireland on minimum order value of £875/€1,000 nett.

OTHER CARRIAGE CHARGES

UK mainland orders under £300 Nett will incur a £10 delivery charge. Timed and morning deliveries are available on request (charges apply).

TERMS & CONDITIONS OF SALE

The customer's attention is drawn in particular to the provisions of clause 9

1. INTERPRETATION

1.1 Definitions. In these Conditions, the following definitions apply:

"Business Day"; a day other than a Saturday, Sunday or public holiday in England when banks in London are open for business.

"Conditions"; the terms and conditions set out in this document as amended from time to time in accordance with clause 11.6.

"Contract"; the contract between the Supplier and the Customer for the sale and purchase of the Goods in accordance with these Conditions.

"Customer"; the person or firm who purchases the Goods from the Supplier.

"Force Majeure Event"; has the meaning given in clause 10.

"Goods"; the goods (or any part of them) set out in the Order.

"Order"; the order by the Customer for the Goods, as set out in the purchase order form of the Customer.

"Specification"; any specification for the Goods, including any related plans and drawings, that is agreed in writing by the Customer and the Supplier.

"Supplier"; The Hill Brush Company Ltd (registered in England and Wales with company number 03464746).

1.2 Construction. In these Conditions, the following rules apply:

1.2.1 A person includes a natural person, corporate or unincorporated body (whether or not having separate legal personality)

1.2.2 A reference to a party includes its personal representatives, successors or permitted assigns

1.2.3 A reference to a statute or statutory provision is a reference to such statute or provision as amended or re-enacted. A reference to a statute or statutory provision includes any subordinate legislation made under that statute or statutory provision, as amended or re-enacted

1.2.4 Any phrase introduced by the terms including, include, in particular or any similar expression shall be construed as illustrative and shall not limit the sense of the words preceding those terms

1.2.5 A reference to writing or written includes faxes and e-mails

2. BASIS OF CONTRACT

2.1 These Conditions apply to the Contract to the exclusion of any other terms that the Customer seeks to impose or incorporate, or which are implied by trade, custom, practice or course of dealing.

2.2 The Order constitutes an offer by the Customer to purchase the Goods in accordance with these Conditions. The Customer is responsible for ensuring that the terms of the Order and any applicable Specification submitted by the Customer are complete and accurate.

2.3 The Order shall only be deemed to be accepted when the Supplier issues a written acceptance of the Order, at which point the Contract shall come into existence.

2.4 The Contract constitutes the entire agreement between the parties. The Customer acknowledges that it has not relied on any statement, promise, representation, assurance or warranty made or given by or on behalf of the Supplier which is not set out in the Contract.

2.5 Any samples, drawings, descriptive matter, or advertising produced by the Supplier and any descriptions or illustrations contained in the catalogues or brochures of the Supplier are produced for the sole purpose of giving an approximate idea of the Goods described in them. They shall not form part of the Contract or have any contractual force.

2.6 A quotation for the Goods given by the Supplier shall not constitute an offer. A quotation shall only be valid for a period of 60 Business Days from its date of issue unless otherwise specified by the Supplier.

3. GOODS

3.1 The Goods are described (i) in the catalogue of the Supplier as modified by any applicable Specification or (ii) in any Specification.

3.2 The Customer shall indemnify the Supplier against all liabilities, costs, expenses, damages and losses (including any direct, indirect or consequential losses, loss of profit, loss of reputation and all interest, penalties and legal and other reasonable professional costs and expenses) suffered or incurred by the Supplier in connection with any claim made against the Supplier for actual or alleged infringement of a third party's intellectual property rights arising out of or in connection with the use of the Specification by the Supplier. This clause 3.2 shall survive termination of the Contract.

3.3 The Supplier reserves the right to amend the specification of the Goods if required by any applicable statutory or regulatory requirements.

4. DELIVERY AND RETURNS

4.1 The Supplier shall ensure that:

4.1.1 Each delivery of the Goods is accompanied by a delivery note which shows the date of the Order, all relevant reference numbers of the Customer and the Supplier, the type and quantity of the Goods (including the code number of the Goods, where applicable), special storage instructions (if any) and, if the Order is

being delivered by instalments, the outstanding balance of Goods remaining to be delivered; and

4.1.2 If the Supplier requires the Customer to return any packaging materials to the Supplier (including returnable containers and/or pallets), that fact is clearly stated on the delivery note. The Customer shall make any such packaging materials available for collection at such times as the Supplier shall reasonably request. The cost of collection of the Goods shall be borne by the Supplier save that the Supplier shall be entitled to invoice the Customer for any packaging materials that are not made available for collection by the Customer within 7 days of delivery of the Goods to which the packaging materials relate and/or to invoice the Customer the Supplier's reasonable collection costs in the event of any delay caused by the Customer in making the packaging materials available for collection.

4.2 The Supplier shall deliver the Goods to the location set out in the Order or such other location as the parties may agree ("Delivery Location") at any time after the Supplier determines that the Goods are ready for delivery unless arrangements have been agreed with the Customer for the collection by the Customer of such Goods. Any delivery charges will be as specified in the Catalogue, in any Contract and/or as notified to the Customer from time to time and will be payable in full by the Customer in addition to the price of the Goods set out in the Contract.

4.3 The Customer agrees that the Supplier shall be entitled to deliver the Goods without prior notification to the Customer on any Business Day between the hours of 8.00am and 5.30pm. Delivery of the Goods shall be completed on the arrival of the Goods at the Delivery Location. The Customer shall provide the Supplier with adequate delivery instructions, delivery access or any other instructions that are relevant to the supply of the Goods.

4.4 Any dates quoted for delivery are approximate only, and the time of delivery is not of the essence. The Supplier shall not be liable for any delay in delivery of the Goods that is caused by a Force Majeure Event or the failure of the Customer to provide the Supplier with adequate delivery instructions or any other instructions that are relevant to the supply of the Goods.

4.5 If the Supplier fails or is unable to supply and deliver the whole or any part of the Goods within 180 days of the date of the Contract, it shall (if in its sole opinion it is able) offer the Customer a reasonably suitable alternative in respect of the Goods that it is unable to supply and/or notify the Customer of the Goods that it cannot supply. If the Customer notifies the Supplier within 5 Business Days that it does not accept the alternative goods, or if no alternative goods are available, the Customer shall be entitled to cancel that part of the Order only that relates to the specific Goods that cannot be supplied or delivered by the Supplier. In respect of the offer of alternative Goods, if the Customer does not notify the Supplier within 5 Business Days that it does not wish to accept the alternative Goods it shall be deemed to have accepted the offer of them. Provided that the Supplier notifies the Customer as aforesaid, the Supplier shall have no liability to the Customer whatsoever arising out of any failure to supply and deliver any Goods.

4.6 If the Customer fails to take delivery of the Goods on the date of attempted delivery of them, then, except where such failure or delay is caused by a Force Majeure Event or the failure of the Supplier to comply with its

obligations under the Contract:

4.6.1 delivery of the Goods shall be deemed to have been completed on the day on which the Supplier attempted to deliver them; and

4.6.2 The Supplier shall store the Goods until delivery takes place, and charge the Customer for all related costs and expenses (including insurance).

4.7 If 20 Business Days after the day on which the Supplier first attempted to deliver the Goods to the Customer the Customer has not taken delivery of them, the Customer irrevocably agrees that the Supplier may resell or otherwise dispose of part or all of the Goods (including (i) any Goods that contain any logos, designs and/or other trademarks of the Customer and/or (ii) any Goods that have been modified or made to the bespoke specifications of the Customer) and, after deducting reasonable storage and selling costs, account to the Customer for any excess over the price of the Goods or charge the Customer for any shortfall below the price of the Goods.

4.8 The Customer shall not be entitled to reject the Goods if the Supplier delivers up to and including 10% more or less than the quantity of Goods ordered, but a pro rata adjustment shall be made to the Order invoice on receipt of notice from the Customer that the wrong quantity of Goods was delivered.

4.9 The Supplier may deliver the Goods by instalments, which shall be invoiced and paid for separately. Each instalment shall constitute a separate Contract. Any delay in delivery or defect in an instalment shall not entitle the Customer to cancel any other instalment.

4.10 The Customer is responsible for checking and inspecting the Goods delivered and ensuring that all Goods listed on the delivery note have been delivered free from any damage caused in transit. Unless the Customer notifies the Supplier within 3 days of the date of delivery of Goods of any Goods which it claims are missing and/or have been damaged during transit, the Supplier shall have no liability to the Customer on any account whatsoever in respect of any missing and/or damaged Goods.

4.11 Subject to clause 5.2.3, the Customer shall not be entitled to return any Goods to the Supplier (for example in circumstances where the Customer has ordered in excess of its actual requirements) unless agreed in writing with the Supplier and subject to such terms and conditions as to the return of such Goods as the Supplier shall stipulate in its sole discretion from time to time.

4.12 The Supplier will not accept the return of any Goods where:

4.12.1 Those Goods are not contained within the Supplier's standard catalogue lines at the date of the proposed return;

4.12.2 Such Goods are not within their original packaging;

4.12.3 Such Goods are damaged and/or not in a saleable condition.

4.13 Without limiting the Supplier's right to stipulate the terms and conditions that will apply to the return of any Goods to it by the Customer pursuant to clause 4.11 and subject to the provisions of clause 4.12, the following general provisions will apply to all Goods that the Supplier agrees in writing may be returned (Returned Goods):

4.13.1 The Supplier will issue a return goods return note (GRN) in respect of the Returned Goods;

4.13.2 The Returned Goods will be returned to the

Supplier at the cost and risk of the Customer;

4.13.3 The Customer will indemnify the Supplier in full against any damage and/or loss caused to the Returned Goods;

4.13.4 If the Returned Goods have not been paid for at the point of return, the Supplier shall be entitled (at the Supplier's sole discretion) to invoice the Customer a restocking charge of up to 40% of the invoice value of the Returned Goods (less any applicable VAT);

4.13.5 If the Returned Goods have been paid for in full at the point of return, the Supplier will (at the Supplier's sole discretion) issue a credit note to the Customer (and not for the avoidance of doubt any cash refund) of not less than 60% of the invoice value of the Returned Goods only (less any applicable VAT), such credit note to be valid for a period of 6 months from its date of issue;

4.13.6 Title in the Returned Goods shall (if title has already passed to the Customer pursuant to these Conditions) pass from the Customer to the Supplier upon delivery to the Supplier of the Returned Goods;

4.13.7 The Returned Goods must be returned undamaged in their original packaging.

4.14 The Supplier reserves the right in its sole discretion to reject any Returned Goods and require the Customer to arrange for collection of the same (at the Customer's cost). If the Customer fails to collect the same within 28 days of the Supplier's request, the Customer will remain liable to pay the full cost of such Returned Goods and the Supplier shall be entitled to re-sell such Returned Goods without further recourse or compensation payable of whatever nature to the Customer.

5. QUALITY

5.1 The Supplier warrants that on delivery, and for a period of 12 months from the date of delivery, (warranty period), the Goods shall:

5.1.1 Conform in all material respects with their description and any applicable Specification;

5.1.2 Be free from material defects in design, material and workmanship;

5.1.3 Be of satisfactory quality (within the meaning of the Sale of Goods Act 1979); and

5.1.4 Be fit for any purpose held out by the Supplier.

5.2 Subject to clause 5.3, if:

5.2.1 The Customer gives notice in writing to the Supplier during the warranty period and within 5 Business Days of discovery that some or all of the Goods do not comply with the warranty set out in clause 5.1;

5.2.2 The Supplier is given a reasonable opportunity of examining such Goods; and

5.2.3 The Customer (if asked to do so by the Supplier) returns such Goods to the place of business of the Supplier at the cost of the Customer, the Supplier shall, at its option, repair or replace the defective Goods, or refund the price of the defective Goods in full.

5.3 The Supplier shall not be liable for failure of the Goods to comply with the warranty set out in clause 5.1 in any of the following events:

5.3.1 The Customer makes any further use of such Goods after giving notice in accordance with clause 5.2; or

5.3.2 The defect arises because the Customer failed to follow the oral or written instructions of the Supplier as to the storage, commissioning, installation, use and maintenance of the Goods or (if there are none) good trade practice regarding the same; or

5.3.3 The defect arises as a result of the Supplier following any drawing, design or Specification supplied

by the Customer; or

5.3.4 The Customer alters or repairs such Goods without the written consent of the Supplier; or

5.3.5 The defect arises as a result of fair wear and tear, wilful damage, negligence, or abnormal storage or working conditions; or

5.3.6 The Goods differ from their description as a result of changes made to ensure they comply with applicable statutory or regulatory requirements.

5.4 Except as provided in this clause 5, the Supplier shall have no liability to the Customer in respect of the failure of the Goods to comply with the warranty set out in clause 5.1.

5.5 The terms implied by sections 13 to 15 of the Sale of Goods Act 1979 are, to the fullest extent permitted by law, excluded from the Contract.

5.6 These Conditions shall apply to any repaired or replacement Goods supplied by the Supplier.

6. TITLE AND RISK

6.1 The risk in the Goods shall pass to the Customer on completion of delivery.

6.2 Title to the Goods shall not pass to the Customer until the earlier of:

6.2.1 The Supplier receives payment in full (in cash or cleared funds) for the Goods and any other goods that the Supplier has supplied to the Customer, in which case title to the Goods shall pass at the time of payment of all such sums; and

6.2.2 The Customer resells the Goods, in which case title to the Goods shall pass to the Customer at the time specified in clause 6.4.

6.3 Until title to the Goods has passed to the Customer, the Customer shall:

6.3.1 Store the Goods separately from all other goods held by the Customer so that they remain readily identifiable as the property of the Supplier;

6.3.2 Not remove, deface or obscure any identifying mark or packaging on or relating to the Goods;

6.3.3 Maintain the Goods in satisfactory condition and keep them insured against all risks for their full price from the date of delivery;

6.3.4 Notify the Supplier immediately if it becomes subject to any of the events listed in clause 8.2; and

6.3.5 Give the Supplier such information relating to the Goods as the Supplier may require from time to time.

6.4 Subject to clause 6.5, the Customer may resell or use the Goods in the ordinary course of its business (but not otherwise) before the Supplier receives payment for the Goods. However, if the Customer resells the Goods before that time:

6.4.1 It does so as principal and not as the agent of the Supplier; and

6.4.2 Title to the Goods shall pass from the Supplier to the Customer immediately before the time at which resale by the Customer occurs.

6.5 If before title to the Goods passes to the Customer the Customer becomes subject to any of the events listed in clause 8.2 then, without limiting any other right or remedy the Supplier may have:

6.5.1 The right to resell the Goods by the Customer or use them in the ordinary course of its business ceases immediately; and

6.5.2 The Supplier may at any time:

(a) Require the Customer to deliver up all Goods in its possession which have not been resold, or irrevocably incorporated into another product; and

(b) If the Customer fails to do so promptly, enter any

premises of the Customer or of any third party where the Goods are stored in order to recover them.

7. PRICE AND PAYMENT

7.1 The price of the Goods shall be the price set out in the Order, or, if no price is quoted, the price set out in the published price list of the Supplier in force as at the date of delivery.

7.2 The Supplier may, by giving notice to the Customer at any time up to 5 Business Days before delivery, increase the price of the Goods to reflect any increase in the cost of the Goods that is due to:

7.2.1 Any factor beyond the control of the Supplier (including foreign exchange fluctuations, increases in taxes and duties, and increases in labour, materials and other manufacturing costs); or

7.2.2 Any request by the Customer to change the delivery date(s), quantities or types of Goods ordered, or the Specification; or

7.2.3 Any delay caused by any instructions of the Customer or failure of the Customer to give the Supplier adequate or accurate information or instructions.

7.3 The price of the Goods is exclusive of the costs and charges of packaging, insurance and transport of the Goods, which shall be invoiced to the Customer.

7.4 The price of the Goods is exclusive of amounts in respect of value added tax ("VAT"). The Customer shall, on receipt of a valid VAT invoice from the Supplier, pay to the Supplier such additional amounts in respect of VAT as are chargeable on the supply of the Goods.

7.5 Subject to clause 7.7, the Supplier may invoice the Customer for the Goods on or at any time after despatch from the Supplier.

7.6 Subject to clause 7.7, the Customer shall pay the invoice in full and in cleared funds within 45 days of the date of the invoice unless otherwise agreed in writing with the Supplier. Payment shall be made to the bank account nominated in writing by the Supplier. Time of payment is of the essence.

7.7 The Supplier reserves the right to require the Customer to pay the Supplier in cleared funds the full or a percentage value of the Goods ordered (or to provide the Supplier with an irrevocable letter of credit in a form acceptable to the Supplier) before the Supplier despatches and delivers the relevant Goods to the Customer.

7.8 If the Customer fails to make any payment due to the Supplier under the Contract by the due date for payment, then the Customer shall pay interest on the overdue amount at the rate of 4% per annum above the base rate of Lloyds Bank PLC from time to time. Such interest shall accrue on a daily basis from the due date until actual payment of the overdue amount, whether before or after judgment. The Customer shall pay the interest together with the overdue amount.

7.9 The Customer shall pay all amounts due under the Contract in full without any set-off, counterclaim, deduction or withholding (except for any deduction or withholding required by law). The Supplier may at any time, without limiting any other rights or remedies it may have, set off any amount owing to it by the Customer against any amount payable by the Supplier to the Customer.

8. TERMINATION AND SUSPENSION

8.1 If the Customer becomes subject to any of the events listed in clause 8.2, the Supplier may terminate the Contract with immediate effect by giving written notice to the Customer.

8.2 For the purposes of clause 8.1, the relevant events are:

8.2.1 The Customer suspends, or threatens to suspend, payment of its debts or is unable to pay its debts as they fall due or admits inability to pay its debts or (being a partnership) has any partner to whom any of the foregoing apply;

8.2.2 the Customer commences negotiations with all or any class of its creditors with a view to rescheduling any of its debts, or makes a proposal for or enters into any compromise or arrangement with its creditors other than (where the Customer is a company) where these events take place for the sole purpose of a scheme for a solvent amalgamation of the Customer with one or more other companies or the solvent reconstruction of the Customer;

8.2.3 (being a company) a petition is filed, a notice is given, a resolution is passed, or an order is made, for or in connection with the winding up of the Customer, other than for the sole purpose of a scheme for a solvent amalgamation of the Customer with one or more other companies or the solvent reconstruction of the Customer; ;

8.2.4 (being an individual) the Customer is the subject of a bankruptcy petition or order;

8.2.5 a creditor or encumbrancer of the Customer attaches or takes possession of, or a distress, execution, sequestration or other such process is levied or enforced on or sued against, the whole or any part of its assets and such attachment or process is not discharged within 14 days;

8.2.6 (being a company) an application is made to court, or an order is made, for the appointment of an administrator or if a notice of intention to appoint an administrator is given or if an administrator is appointed over the Customer;

8.2.7 (being a company) the holder of a qualifying charge over the assets of the Customer has become entitled to appoint or has appointed an administrative receiver;

8.2.8 a person becomes entitled to appoint a receiver over the assets of the Customer or a receiver is appointed over the assets of the Customer;

8.2.9 any event occurs, or proceeding is taken, with respect to the Customer in any jurisdiction to which it is subject that has an effect equivalent or similar to any of the events mentioned in clause 8.2.1 to clause 8.2.8 (inclusive);

8.2.10 the Customer suspends, threatens to suspend, ceases or threatens to cease to carry on all or a substantial part of its business;

8.2.11 the financial position of the Customer deteriorates to such an extent that in the opinion of the Supplier the capability of the Customer to adequately fulfil its obligations under the Contract has been placed in jeopardy; and

8.2.12 (being an individual) the Customer dies or, by reason of illness or incapacity (whether mental or physical), is incapable of managing his or her own affairs or becomes a patient under any mental health legislation.

8.3 Without limiting its other rights or remedies, the Supplier may suspend provision of the Goods under the Contract or any

other contract between the Customer and the Supplier if the Customer becomes subject to any of the events listed in clause 8.2.1 to clause 8.2.9, or the Supplier reasonably believes that the Customer is about to become subject to any of them, or if the Customer fails to pay any amount due under this Contract on the due date for payment.

8.4 On termination of the Contract for any reason the Customer shall immediately pay to the Supplier all of the

outstanding unpaid invoices and interest of the Supplier.

8.5 Termination of the Contract, however arising, shall not affect any of the parties' rights, remedies, obligations and liabilities that have accrued as at termination.

8.6 Clauses which expressly or by implication survive termination of the Contract shall continue in full force and effect.

9. LIMITATION OF LIABILITY

9.1 Nothing in these Conditions shall limit or exclude the liability of the Supplier for:

9.1.1 death or personal injury caused by its negligence, or the negligence of its employees, agents or subcontractors (as applicable); or

9.1.2 fraud or fraudulent misrepresentation; or

9.1.3 breach of the terms implied by section 12 of the Sale of Goods Act 1979; or

9.1.4 defective products under the Consumer Protection Act 1987; or

9.1.5 any matter in respect of which it would be unlawful for the Supplier to exclude or restrict liability.

9.2 Subject to clause 9.1:

9.2.1 the Supplier shall under no circumstances whatever be liable to the Customer, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, for any loss of profit, or any indirect or consequential loss arising under or in connection with the Contract; and

9.2.2 the total liability of the Supplier to the Customer in respect of all other losses arising under or in connection with the Contract, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, shall in no circumstances exceed 100% of the price of the Goods.

10. FORCE MAJEURE

Neither party shall be liable for any failure or delay in performing its obligations under the Contract to the extent that such failure or delay is caused by a Force Majeure Event. A Force Majeure Event means any event beyond a party's reasonable control, which by its nature could not have been foreseen, or, if it could have been foreseen, was unavoidable, including strikes, lock-outs or other industrial disputes (whether involving its own workforce or a third party's), failure of energy sources or transport network, acts of God, war, terrorism, riot, civil commotion, interference by civil or military authorities, national or international calamity, armed conflict, malicious damage, breakdown of plant or machinery, nuclear, chemical or biological contamination, sonic boom, explosions, collapse of building structures, fires, floods, storms, earthquakes, loss at sea, epidemics or similar events, natural disasters or extreme adverse weather conditions, or default of suppliers or subcontractors.

11. GENERAL

11.1 Assignment and other dealings.

11.1.1 The Supplier may at any time assign, transfer, mortgage, charge, subcontract or deal in any other manner with all or any of its rights or obligations under the Contract.

11.1.2 The Customer may not assign, transfer, mortgage, charge, subcontract, declare a trust over or deal in any other manner with any or all of its rights or obligations under the Contract without the prior written consent of the Supplier.

11.2 Notices.

11.2.1 Any notice or other communication given to a party under or in connection with the Contract shall be in

writing, addressed to that party at its registered office (if it is a company) or its principal place of business (in any other case) or such other address as that party may have specified to the other party in writing in accordance with this clause, and shall be delivered personally, sent by pre-paid first-class post or other next working day delivery service, commercial courier, fax or e-mail.

11.2.2 A notice or other communication shall be deemed to have been received: if delivered personally, when left at the address referred to in clause 11.2.1; if sent by pre-paid first-class post or other next working day delivery service, at 9.00 am on the second Business Day after posting; if delivered by commercial courier, on the date and at the time that the courier's delivery receipt is signed; or, if sent by fax or e-mail, one Business Day after transmission.

11.2.3 The provisions of this clause shall not apply to the service of any proceedings or other documents in any legal action.

11.3 Severance.

11.3.1 If any provision or part-provision of the Contract is or becomes invalid, illegal or unenforceable, it shall be deemed modified to the minimum extent necessary to make it valid, legal and enforceable. If such modification is not possible, the relevant provision or part-provision shall be deemed deleted. Any modification to or deletion of a provision or part-provision under this clause shall not affect the validity and enforceability of the rest of the Contract.

11.3.2 If one party gives notice to the other of the possibility that any provision or part-provision of this Contract is invalid, illegal or unenforceable, the parties shall negotiate in good faith to amend such provision so that, as amended, it is legal, valid and enforceable, and, to the greatest extent possible, achieves the intended commercial result of the original provision.

11.4 Waiver. A waiver of any right or remedy under the Contract or law is only effective if given in writing and shall not be deemed a waiver of any subsequent breach or default. No failure or delay by a party to exercise any right or remedy provided

under the Contract or by law shall constitute a waiver of that or any other right or remedy, nor shall it prevent or restrict the further exercise of that or any other right or remedy. No single or partial exercise of such right or remedy shall prevent or restrict the further exercise of that or any other right or remedy.

11.5 Third party rights. A person who is not a party to the Contract shall not have any rights to enforce its terms.

11.6 Variation. Except as set out in these Conditions, no variation of the Contract, including the introduction of any additional terms and conditions, shall be effective unless it is in writing and signed by the Supplier.

11.7 Governing law. The Contract, and any dispute or claim arising out of or in connection with it or its subject matter or formation (including non-contractual disputes or claims), shall be governed by, and construed in accordance with the law of England and Wales.

11.8 Jurisdiction. Each party irrevocably agrees that the courts of England and Wales shall have exclusive jurisdiction to settle any dispute or claim arising out of or in connection with this Contract or its subject matter or formation (including non-contractual disputes or claims).

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HILLBRUSH UK

Norwood Park, Mere, Wiltshire, BA12 6FE
 +44 (0)17 4786 0494
info@hillbrush.com
hillbrush.com



MADE IN
GREAT BRITAIN

DISTRIBUTION WORLDWIDE



HILLBRUSH USA

811 Rolyn Avenue, Baltimore, Maryland, 21237
 +1 410 325 7000
officeus@hillbrush.com
hillbrush.com

