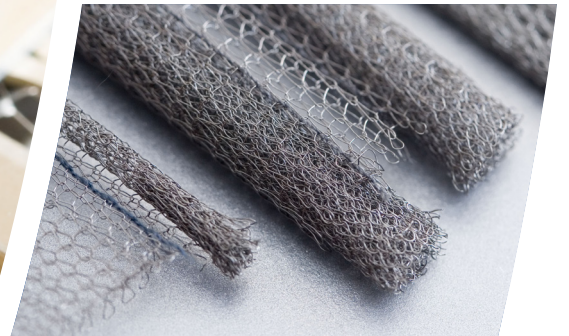
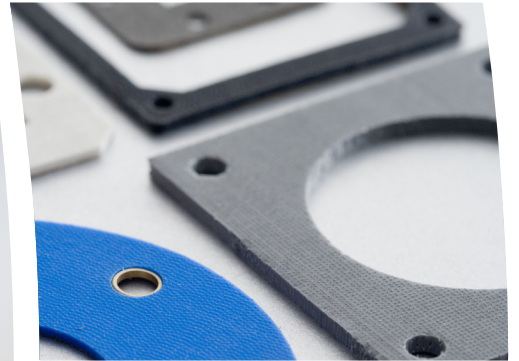




PRODUCT CATALOGUE
SHORT FORM



Q-FLEX

www.q-flex.fi info@q-flex.fi
+358 2 4894 500

Specialist Manufacturers
of EMI/RFI Screening
and Shielding
Products

P & P TECHNOLOGY

Formed in 1989 by a group of engineers with many years of experience in the design and production of EMI shielding components, P&P Technology have grown to become one of Europe's leading & most trusted manufacturers of radio frequency and electromagnetic interference (RF & EMI) screening products, developing a diverse portfolio of products and clients along the way. We take pride in our products, our people and our expertise.

At our factories in Essex we manufacture an extensive range of shielded windows, honeycomb vent panels and gaskets that are completely customised to meet your needs. We provide a fast and efficient response to your shielding problems and offer a full service ranging from consultancy through to prototype and full production to ensure you achieve compliance with local and global directives and legislative requirements on electromagnetic compatibility.

We are happy to provide advice on the design and application of shielding materials and will visit potential customers to discuss the shielding requirements of specific projects and provide samples because quite simply, your success is our success.

Our worldwide network of agents provides us with representation across the world, helping us to provide local support for our customers across the globe.



P&P Technology is an ISO9001:2015 registered manufacturer



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“ P & P Technology have grown to become one of
of radio frequency and electromagnetic





Europe's leading & most trusted manufacturers
interference (RF & EMI) screening products ”



A few notes on design for EMC:

We are happy to get involved at any stage of your project but the earlier you get us involved, the easier it is for us to find a cost effective solution to your shielding needs. Fitting a solution after your product has failed testing can be unnecessarily expensive and we cannot stress enough the importance of designing with EMC in mind from day one.

Please be aware that all material performance results quoted in this publication have been obtained in a test room environment and should be used as a guide. There are many factors that can affect shielding performance in the final product and as such P&P Technology recommends that customers always test their products to ensure compliance with applicable regulations.

European Manufacturing:

Head Office & Silicone Site

P & P Technology

Unit 5 Cherrytrees,
Wethersfield Road,
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Metal Work Site

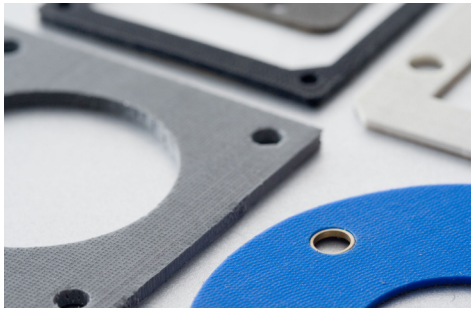
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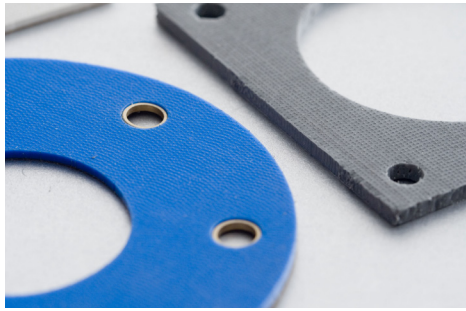
SILSHIELD | ORIENTED WIRES IN SILICONE

SP SHIELDING



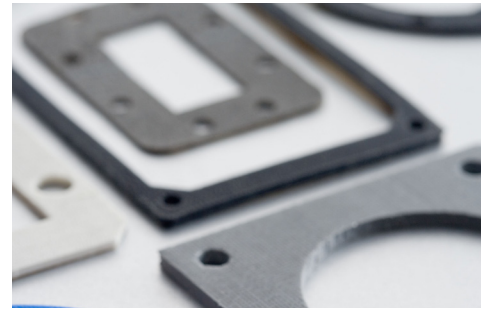
Vertically orientated wires bonded into silicone providing around 100 contact points per cm². Available in sheet and gasket form.

SF SHIELDING



A petro-chemical resistant fluorosilicone variant of the SP Shielding, offering protection against hydro-carbons, which is blue in colour

SR SHIELDING



The flame retardant variant of the SP Shielding, which is black in colour.

EXSHIELD | CONDUCTIVE SILICONE

EC SHIELDING



Silicone or fluorosilicone with metallic particle filler forming a highly conductive elastomer.

ES SHIELDING



Silicone or fluorosilicone supplied either as sheets or pre-forms and die-cut into gaskets as required.

EEP SHIELDING



Dispensed gasket, precisely applied by a dispensing nozzle under CNC control to enable continuous application of intricate, small cross section gaskets.

CONDUCTIVE FINGER STRIPS

CFS SHIELDING



Available in a wide range of profiles and materials.

CONDUCTIVE FOIL TAPES

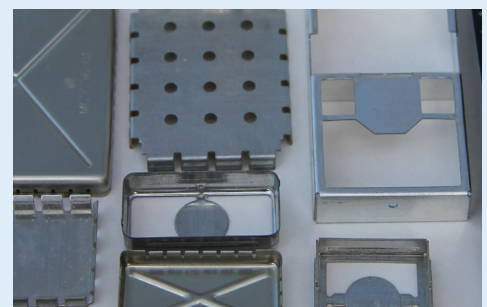
TF SHIELDING



Stock of Aluminium and Copper tapes including Bake and Peel. Available widths from 6mm - 300mm

SHIELDING CANS

PCB SHIELDING CANS



Metal screening CANS. Parts available with maximum dimensions of 600mm x 600mm and thicknesses ranging from 0.05mm to 3.00mm

VENTSHIELD | ATTENUATED VENTS

VHSHIELDING



A range of honeycomb ventilation panels using either single or double layer or aluminium honeycomb mounted within and extruded aluminium frame. Various styles available can be fitted with various options.

VF SHIELDING



Dust filtration units that can be mounted as separate units or as part of the attenuation vent assembly. Any vent is available with a range of aluminium or stainless steel kick plates.

VB SHIELDING



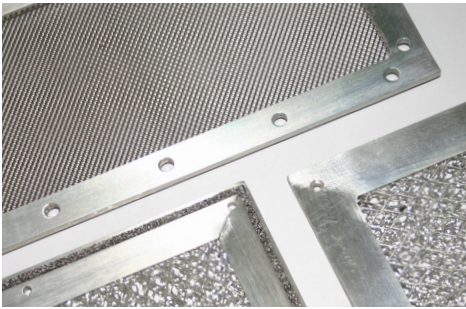
VH Shielding honeycomb attenuation vent assemblies with demountable dust filter panels containing a demembrated polyurethane filter. Protecting against ingress or dust and foreign matter.

VP SHIELDING



Honeycomb vent panels, designed for high performance applications such as screened rooms, military applications and shelters.

VT SHIELDING



Thin vents for applications where space is at a premium.

VM SHIELDING



Fully customisable vent assemblies are constructed with a gasket, dust filter and kickplate. An additional option is to have the outer layer of mesh slanted to promote water drain off.

WINSHIELD | SHIELD WINDOWS

WGSIELDING



A low cost range of windows with the same high level of shielding performance as WF Shielding but with edge lamination only.

WC SHIELDING



Cast windows are a one piece optical filter with the mesh totally encapsulated into clear plastic. This offers increased shock/vibration and environmental protection.

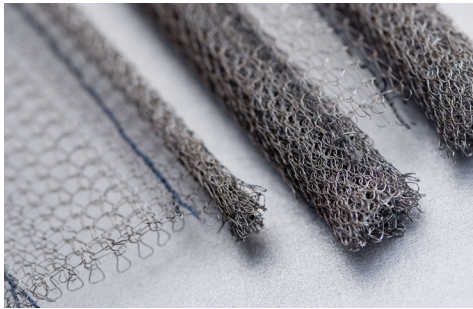
WF SHIELDING



Fully laminated windows are available in glass for various applications. Window size up to 3m x 8m with a wide range of busbar and gasket options. Thickness from 1.0mm upwards.

KNITSHIELD | KNITTED MESH

KP SHIELDING



Knitted wire mesh in Monel, Aluminium, Stainless Steel, Brass & Tinned Copper-clad Steel (TCS).

KE SHIELDING



Knitted wire mesh (types as KP Shielding) with an elastomer core, typically of neoprene or silicone.

KC SHIELDING



"Twinstrip" gaskets provide the high shielding levels of wire mesh with an environmental seal fitted in tandem.

KM SHIELDING



KM Shielding Wire mesh shielding with an aluminium extrusion carrier provides a ready to mount strip or frame.

KW SHIELDING



KW Shielding knitted mesh bandage is a tubular form knitted stocking supplied in flat tape form.

KR SHIELDING



Compressed mesh washers, gaskets and seals utilise knitted mesh formed under pressure into resilient high density profiles.

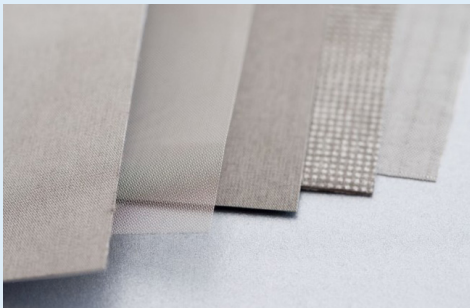
METWEAVE | SHIELDING

MW SHIELDING



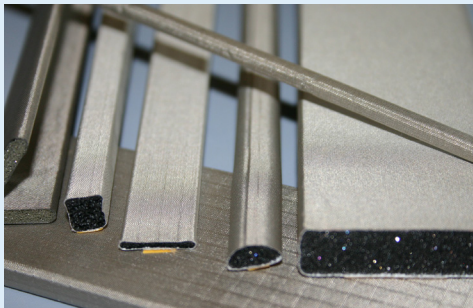
A range of materials using a sponge core wrapped with a highly conductive impregnated fabric.

MF SHIELDING



A range of highly conductive fabrics.

MS SHIELDING



Conductive sponge between two layers of conductive fabric.

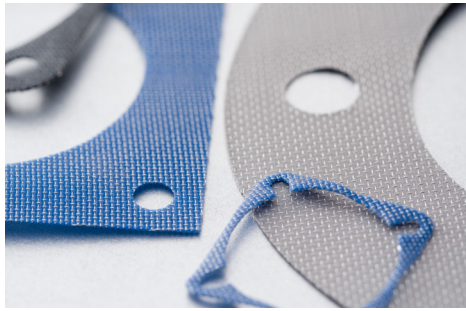
SPECIALISED MATERIALS

TS SHIELDING - TWINSEAL



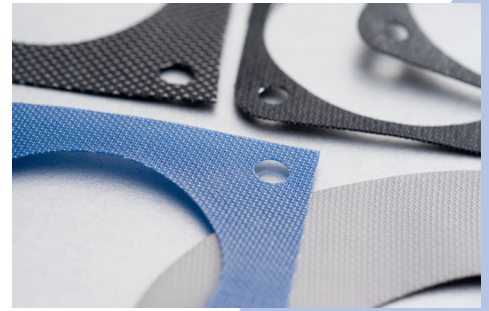
Twinseal provides both superior EMI shielding performance complimented with environmental protection.

GA SHIELDING - ALUMWEAVE



An ultra thin gasket material comprising 0.4mm woven aluminium mesh filled with a silicone, fluorosilicone or neoprene elastomer.

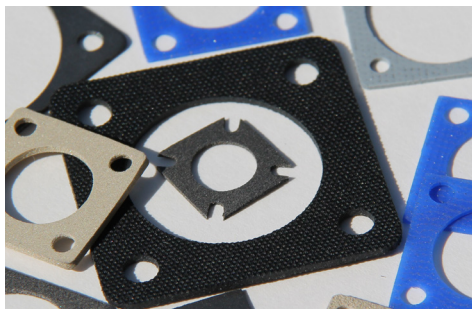
GX SHIELDING - MONEX



Similar to the GA Shielding but using an expanded Monel foil in 0.5 or 0.75mm thicknesses.

CONNECTOR GASKETS

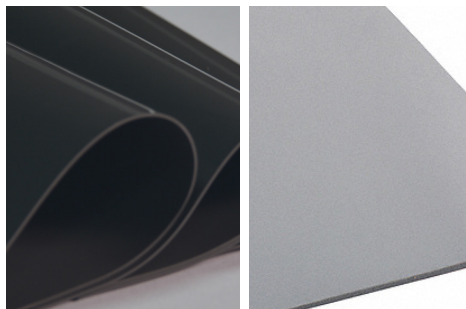
DC SHIELDING



Conductive and non-conductive connector gaskets including 38999, 26482, D-Type, Waveguide and bespoke designs in wide range of thickness and materials.

RF ABSORBER & THERMAL

RF MANAGEMENT & THERMAL



Absorber products to absorb RF radiation across VHF, UHF microwave frequencies.

Thermal interface materials available in a range of size and thickness.

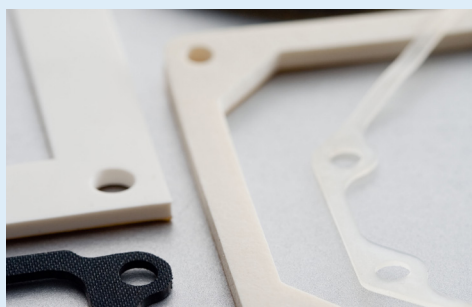


SHORT FORM CATALOGUE

For free application advice, additional technical information and to request a full catalogue, please contact us directly.

NON CONDUCTIVE GASKETS

RS SHIELDING



Non-conductive gaskets and seals can be used as an environmental seal to prevent dust, moisture and water ingress up to IP67 environment.

CONDUCTIVE ADHESIVES

AS SHIELDING



A range of one-part conductive particle filled silicone rubber adhesives. Silicone free, paintable options available.

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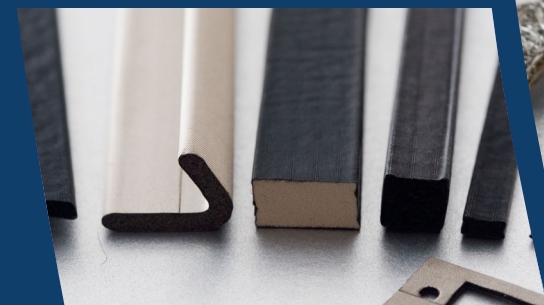
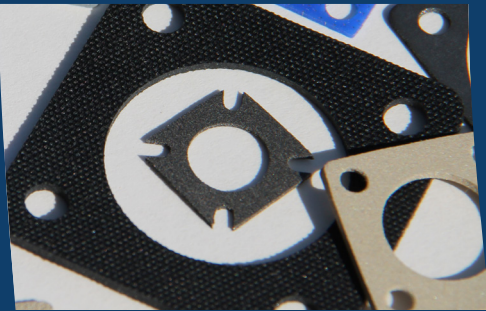
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