



Product Catalogue

Short Form

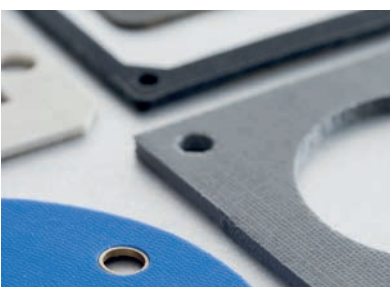
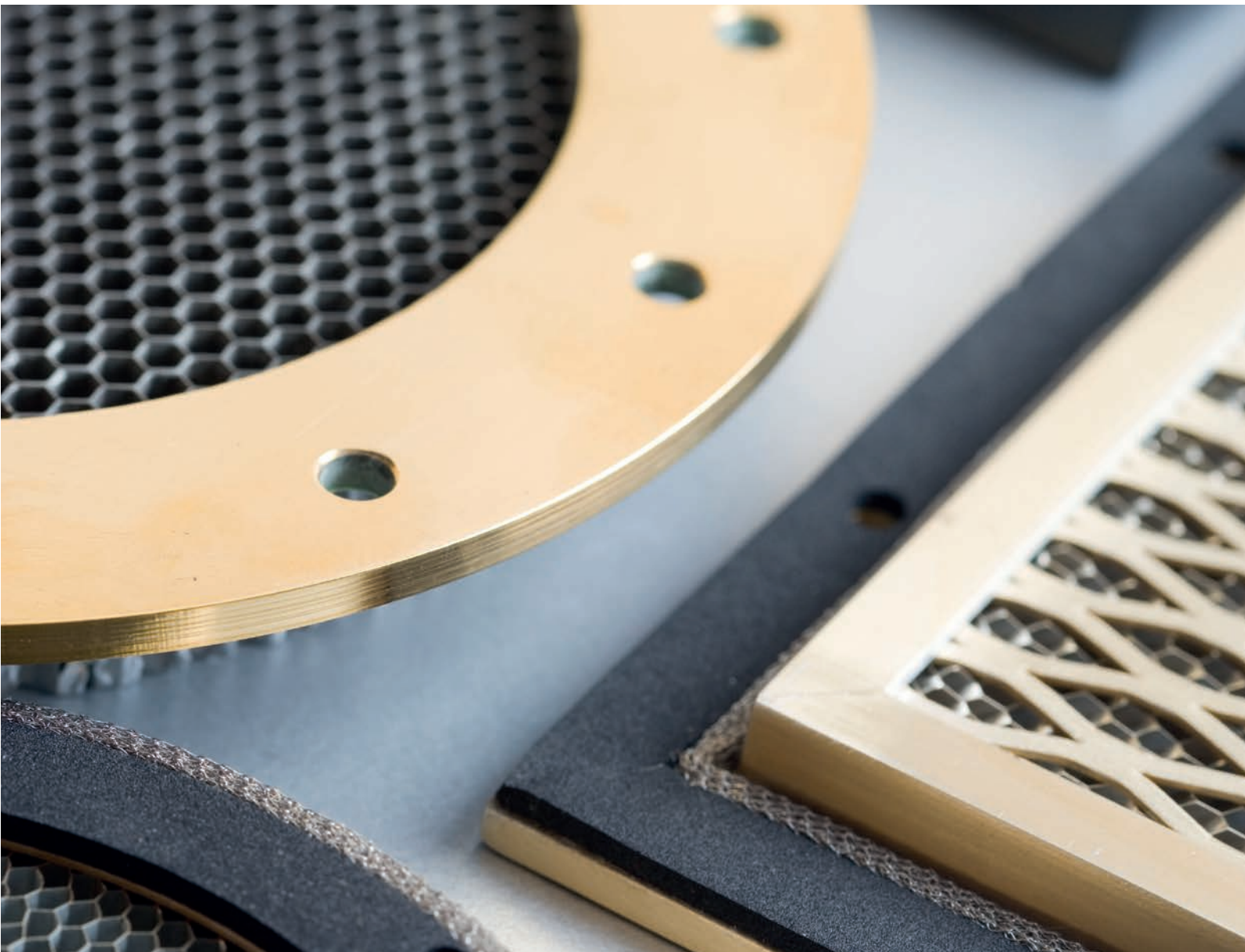


Specialist Manufacturers of EMI/RFI
Screening and Shielding Products



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Nolato PPT

P&P Technology Ltd formed in 1989 by a group of engineers with many years of experience in the design and production of EMI shielding components, Nolato PPT 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.

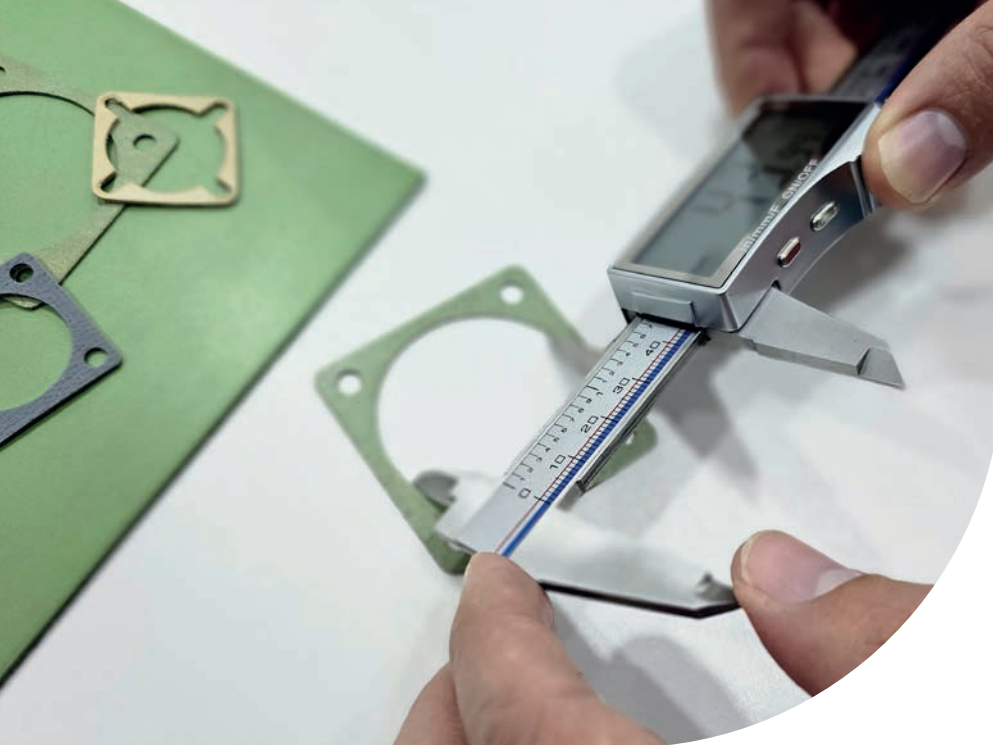
We are happy to provide advice on the design and application of shielding materials and will visit potential customers to discuss the shielding requirements of specific projects and provide samples because quite simply, your success is our success.

In April 2023, the company was acquired by the Swedish, listed Nolato Group, with operations in Europe, Asia and North America. As part of the Nolato Group we are also the UK and Europe representative for Nolato Jabar and Nolato Silikonteknik products. Included within this are Mil-Spec materials and products as well as various innovative IP/EMC combination sealing solutions.

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

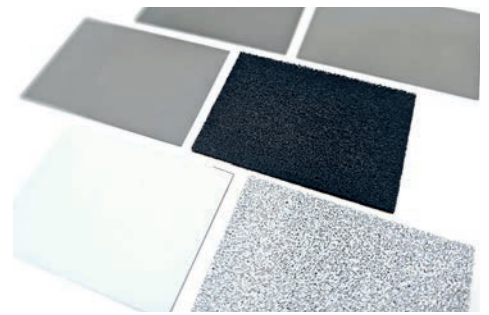
“Nolato PPT have grown to become one of
of radio frequency and electromagnetic





SPECIALISED MATERIALS

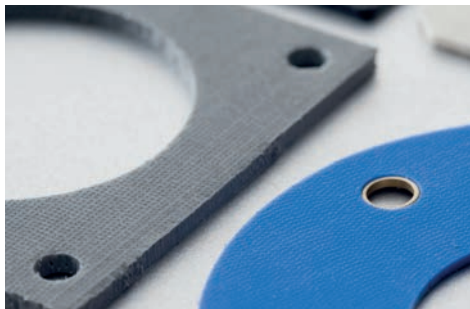
ABSORBER



We have an extensive range of Absorber Materials, in both sheet and profile form. Gaskets are available pre-cut to various shapes if required.

SILSHIELD | ORIENTED WIRES IN SILICONE

SILSHIELD SOLID



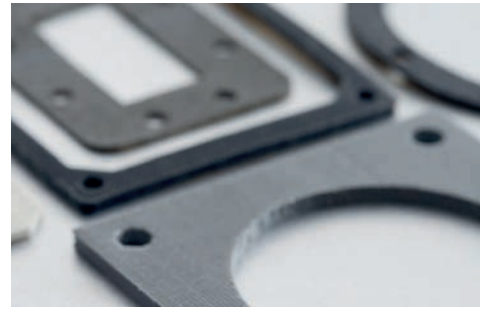
Vertically oriented wires bonded into silicone providing around 100 contact points per cm². Available in sheet and gasket form.

SILSHIELD SPONGE



Silshield Sponge is designed for applications with uneven matting surfaces or areas where a higher rate of compressibility is required.

UL94-V0 SILSHIELD



We manufacture both solid silicone and silicone sponge variants with both Monel and Aluminium wire content. Available in sheet and gasket form.

WINSHIELD | SHIELDING WINDOWS

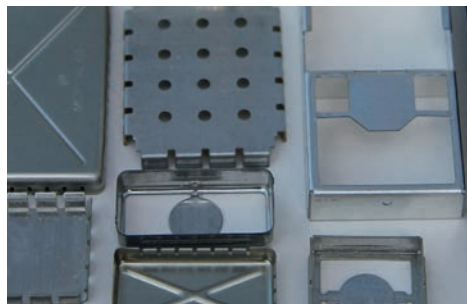
WG SHIELDING



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

SHIELDING CANS

PCB SHIELDING CANS



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

CONDUCTIVE FINGER STRIPS

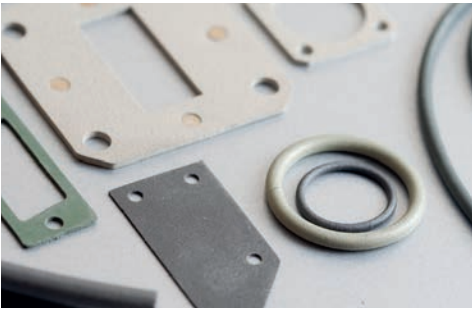
CFS SHIELDING



Available in a wide range of profiles and materials.

EXSHIELD | **CONDUCTIVE SILICONE**

EC SHIELDING



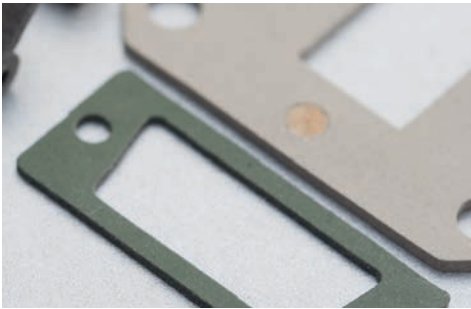
Silicone or Fluorosilicone with metallic particle filler forming a highly conductive elastomer.

ES SHIELDING



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

MILSPEC



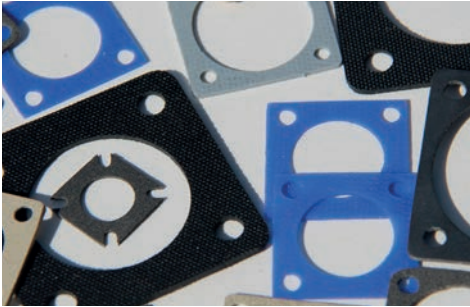
Through our US company Nolato JABAR we are able to offer MIL certified products in sheet, extrusion, and die-cut parts with full traceability. We have a wide range of profiles and sheets up to 610mm x 610mm from 0.5mm thick.

EXSHIELD | **DUO SEAL**



Available in Nickel Graphite, Silver Aluminium, Silver Copper coupled with a Non Conductive Silicone carrier. Available in either continuous length extrusions as well as vulcanised or moulded into O rings. We can manufacture any shape or size co-extrusion required.

EXSHIELD | **DC**



We stock a large range of 38999 and 5015 Connector Gaskets in wide range of standard sizes in various materials. Due to our cutting capability we can also tailor gasket sizes to suit any requirement.

EXSHIELD | **UL94-V0**



Our silicone nickel graphite is certified to UL94-V0 requirements with full traceability if required. This material is offered in extrusions, sheets and die-cut gasket form.

COMPASHIELD®

GEN



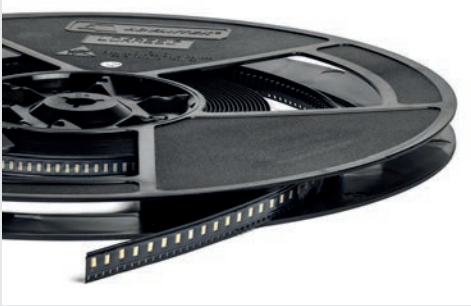
Excellent mechanical properties, large conformable contact area vs metal spring. Full, strong chemical bondage between gasket and metal. No Scratching of PCB.

SMT



Very strong physical resistance against deformation. Low electrical resistance. Excellent elasticity and low compression force. Replaces most Metal Finger and Fabric Gaskets.

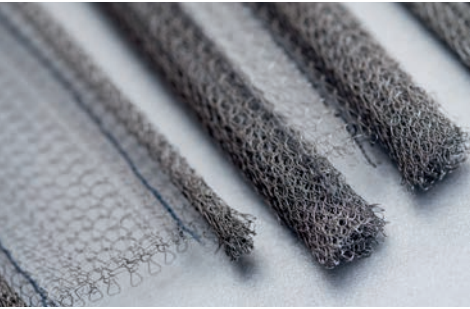
PACKAGING TYPES



Automatic soldering through SMT machines fed by reels.

KNITSHIELD | KNITTED MESH

KP SHIELDING



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

KE SHIELDING



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

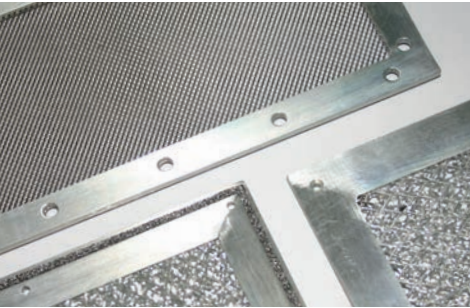
KC SHIELDING



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

VENTSHIELD | ATTENUATED VENTS

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. Option of an outer layer of mesh, slanted to promote water drain off.

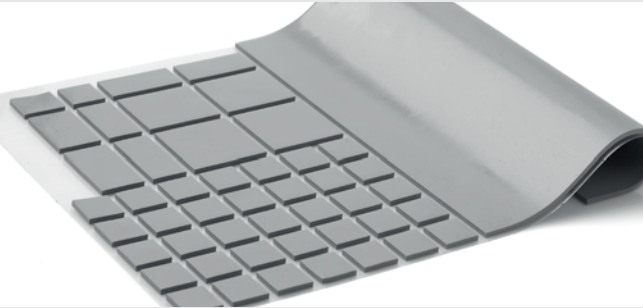
VP SHIELDING



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

COMPATHERM®

THERMAL



Nolato's own manufactured range of Thermal materials, available with low MOQ's and from stock. Sheet sizes start at 0.3mm thick and standard overall size is 200mm x 200mm. Larger sheets available on request.

TRISHIELD®

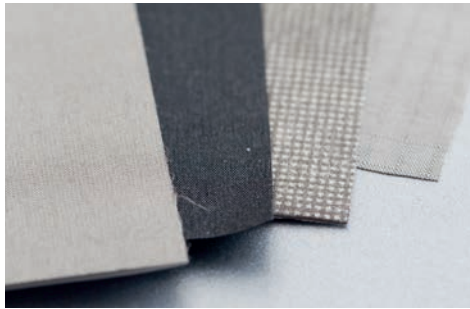
FORM IN PLACE



Available in Nickel Graphite, Silver Aluminium, Silver Copper and Pure Silver in a wide range of syringe and cartridge sizes. We can apply the gasket to your parts at our factory, or supply the equipment directly to you.

METWEAVE | SHIELDING

MF SHIELDING



Range of Nickel Copper and Silver Impregnated fabric sheets available in either roll or die-cut to shape form. Available either with or without SAB in widths up to 1200mm.

CONDUCTIVE ADHESIVES

AS SHIELDING



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

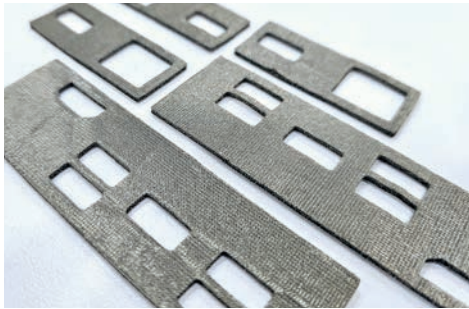
CONDUCTIVE FOIL TAPES

TF SHIELDING



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

MS SHIELDING



Conductive Sponge with PU Foam in Nickel Copper or Silver impregnated material. Thickness's of 1.5mm, 2.5mm and 3.5mm upto 500mm x 500mm either with or without SAB. Die-cut options also available.

CONDUCTIVE EPOXY



2 part Silver Epoxy available in a wide range of dispensers. Room Temperature cured.

GA SHIELDING - ALUMWEAVE



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

MW SHIELDING



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

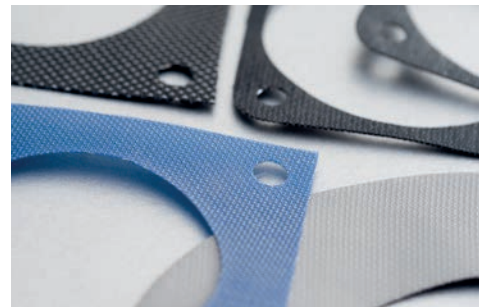
NON CONDUCTIVE GASKETS

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.

GX SHIELDING - MONEX



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

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

A few notes of design for EMC:

We are happy to get involved at any stage of your project however the earlier we're 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 Nolato PPT recommends that customers always test their products to ensure compliance with applicable regulations.

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Nolato PPT is an ISO9001:2015
registered manufacturer