

Combi-Shield™

Unlimited EMI-shielding possibilities

The Solution

EMI-shielding solutions for electronic displays are usually integrated in the acrylic window, but if this is not possible, Combi-Shield™ is a perfect alternative. You just need the space for 1-1,5mm Combi-Shield™ in the construction. Combi-Shield™ is an EMC solution independent of the display window. A blackened mesh is stretched and mounted on a thin, rigid conductive and corrosion resistant metal frame. The direct metal overlap and contact ensures that the application benefits from the maximum shielding potential for the chosen mesh. The mesh is blackened stainless steel or copper.



Typical Applications

Combi-Shield™ is typically used in extreme and demanding applications within the medico and military industry. The high shielding performance makes it ideal for TEMPEST applications. Furthermore, it is perfect for upgrading or retro-fitting an existing solution or touch-screen application.

Customisation

As a standard, the frame is aluminum but other metals are also available. Combi-Shield™ solutions can be customised with additional features, such as a surface treated window.



Technical Data

Minimum frame width	Approx 12 mm
Metal frame	Aluminium type AW5005 (standard)
Frame thickness	From 1 mm
Mesh type	SG229/25, SG458/50, CU224/30 etc.
Conductive, corrosion resistant coating	Iridite NCP MacDermid®
Std. Operation temperatures	-45°C to +95 °C
Mesh orientation	0° to 45°