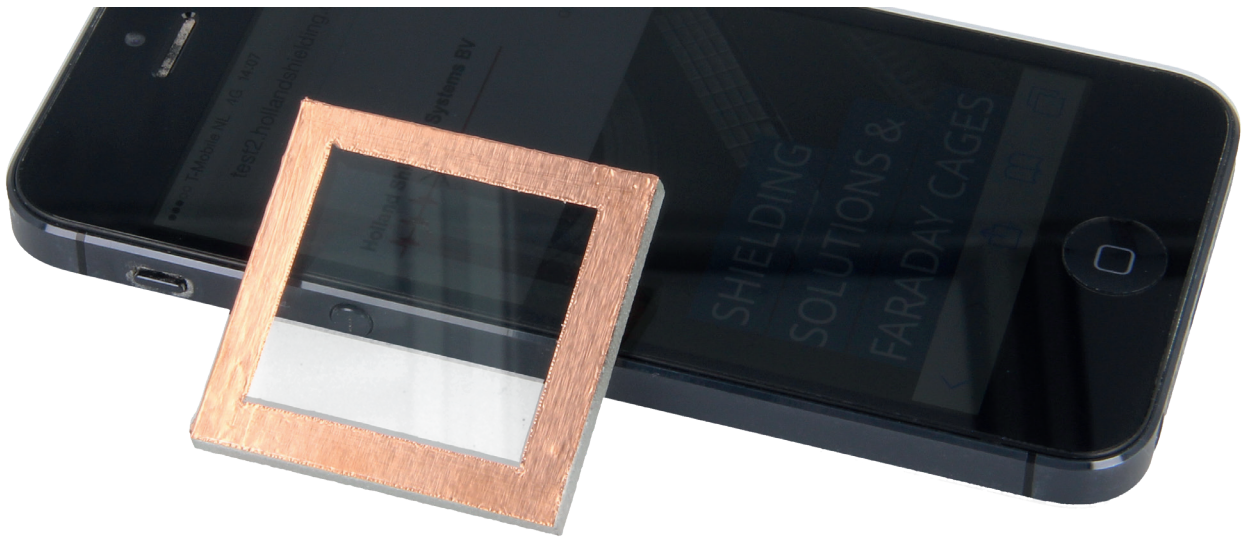


SHIELDED EMI GLASS 9600

A new series of EMI/RFI-shielded glass has been developed. Our EMI/RFI-shielded glass 9600 series is a float glass with a conductive coating on one side to prevent EMI/RFI.



The combination of high light transmission, near-neutral color and low electrical resistance makes this glass an ideal EMI/RFI shield for electronic displays requiring moderate shielding effectiveness and high-quality optical properties.

EMI/RFI-shielded glass is suited for outdoor use and provides excellent shielding performance from 10 kHz up to 40 GHz. In addition the coating has good scratch-resistant properties. Typical applications are medical and military LED/LCD monitors, shielded cameras, sensors and displays.

Our EMI/RFI-shielded glass provides a good balance between shielding on the one hand and optical clarity on the other.

On request EMI/RFI-shielded glass with 20 Ohms/sq is available. The disadvantage of this glass is that it has reduced light transmission and increased light reflection.

TECHNICAL DETAILS

Light transmission	84%
Electrical resistance	10-12 Ohms/sq
Temperatures	-60 / +110 °C
EMI-shielding effectiveness	24 - 98 dB (10 kHz- 40 GHz)
Available thicknesses	3, 4, and 6mm

ADVANTAGES

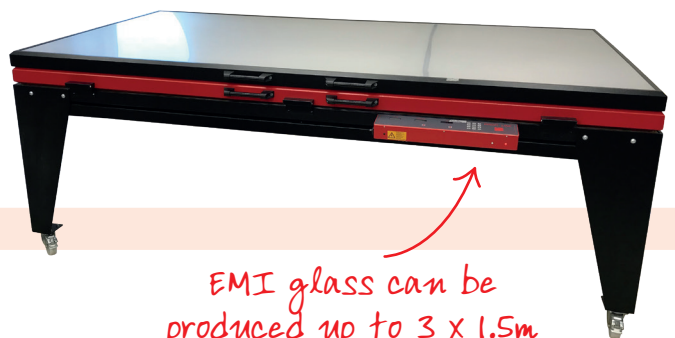
- Excellent EMI/RFI shielding
- High transparency
- Scratch resistant
- Suited for outdoor use
- Any shape or size available
- Can be produced or cut according to CAD drawing

OPTIONS (ON REQUEST)

- Tempered to increase impact resistance
- Anti-glare
- Laminated with highly transparent mesh foil for very high shielding performance

APPLICATIONS

- Shielded sensors
- Shielded displays, glass, or windows
- Shielded cameras
- RF shielding
- EMI shielding



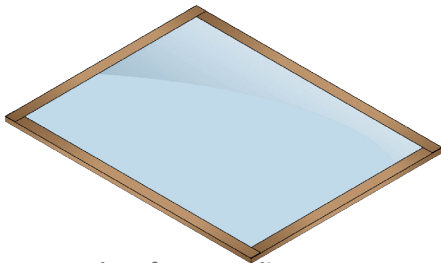


CONTACT EDGES

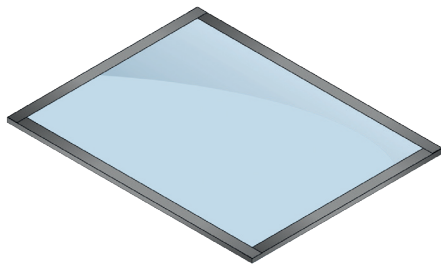
EMI/RFI-shielded glass 9600 series is conductive on one side. If you want to establish a connection with the other side of the glass which is not conductive, a contact edge is needed.



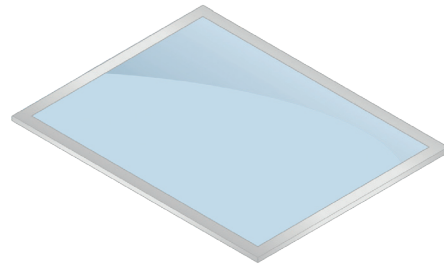
The glass is also available finished with an aluminum frame for easy mounting in Faraday cages and MRI rooms. We can supply EMI-shielded glass with the following edges:



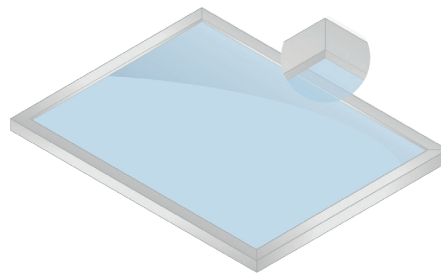
(C) With copper edges for grounding



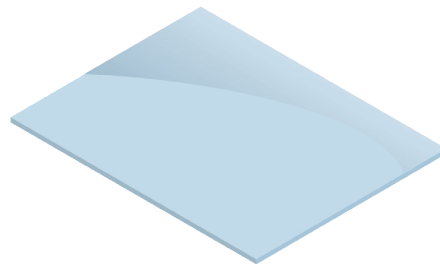
(TC) With tinned copper edges for easy soldering and grounding



(S) With a silver busbar

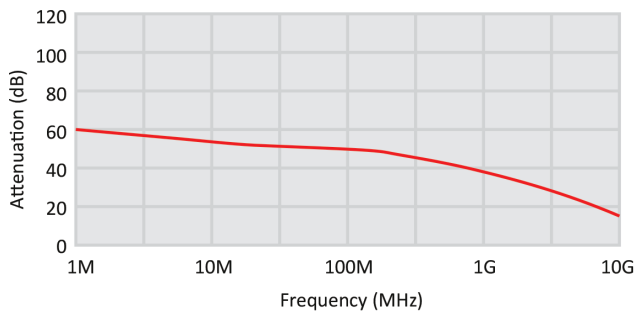


(F) With an aluminum frame for shielded enclosures, Faraday cages and MRI rooms



(N) Without a special contact edge; there still is electrical conduction at the coated side of the glass.

SHIELDING PERFORMANCE



Please note: the top layer can be affected by acids, for example from the skin. To protect the conductive layer, you can apply a transparent film.

Small optical defects are allowed in this product. If you require a product that is absolutely free from optical defects, we invite you to contact us for the "superior selected quality". Please realize that due to the extreme caution needed to manufacture these products, they can be several times more expensive.

ORDER EXAMPLE

Series	Width (mm)	Height (mm)	Thickness (mm)	Contact edge
9600	Width of the visible area in mm	Height of the visible area in mm	3 : 3mm thick 4 : 4mm thick 6 : 6mm thick	C : Copper TC : Tinned copper S : Silver busbar F : With aluminum frame N : No contact edge