

MESH FOIL WINDOWS 9700

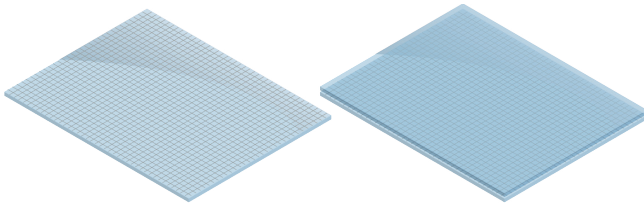
Ready to use EMI/RFI shielded mesh foil windows



For the highest possible EMI / RFI shielding performance, a woven electrically conductive microstructure of mesh is bonded between two layers of glass or plastic (**stepped double layered window**). The EVA combined with the mesh will work as reinforcement for the glass. Alternatively, a single layer of Mesh foil 9000 series is fixed onto one side of a single glass or plastic window with self-adhesive (**single layered window**).

This can be done by laminating or edge bonding. The EMI-shielded mesh-foil windows can be provided with a silver bus bar, an electrically conductive gasket or can be supplied with a frame for easy mounting. Windows can optionally be provided with a water seal.

WINDOW TYPES



Single layer: Wire mesh fixed onto one side of a glass or plastic window

Double layer: Wire mesh bonded between two glass or plastic windows

Note that it is also possible to laminate the wire mesh under a custom angle to prevent moiré effect on for example monitors or LCD displays.

LIGHT TRANSMISSION

Opacity of mesh windows is 64.5%. A lack of available light should not be a concern, since an average pair of sunglasses allows less than 9% light to come through.

APPLICATIONS

- LCD displays;
- Membrane switches,
- Touch screens
- Defense / Avionics etc.
- Devices for medical technology
- For test and measuring instruments

WINDOW MATERIALS

EMI/RFI shielded mesh foil windows can be made from your existing windows or can be supplied as a new window made of:

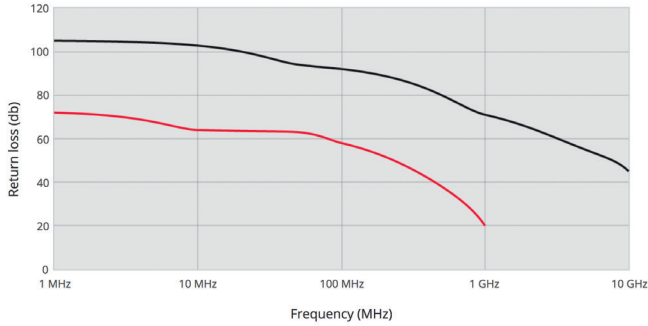
- Polycarbonate (**material code P**)
- Acrylic (**material code A**)
- Glass (**material code G**)
- Polycarbonate scratch resistant (**material code PS**)



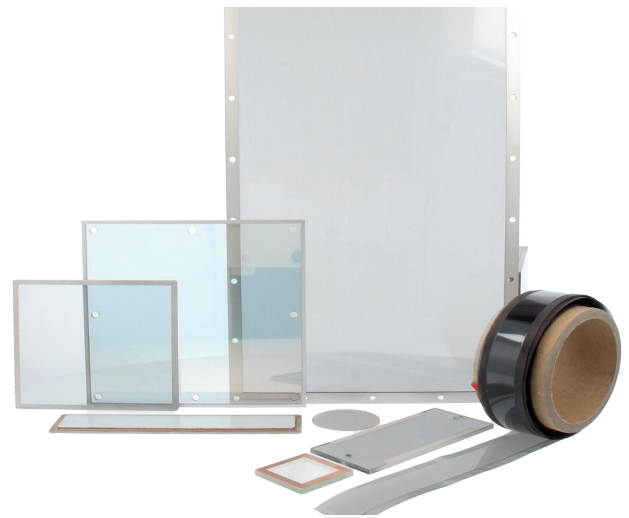
mesh foil windows can be produced up to 3 x 1.5m

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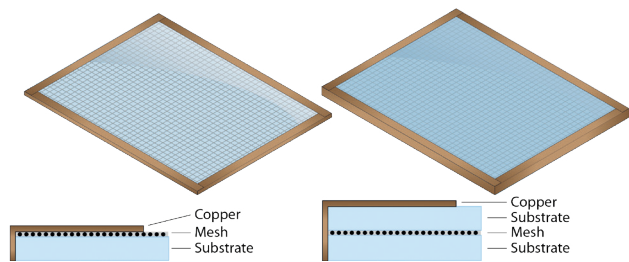
SHIELDING PERFORMANCE*



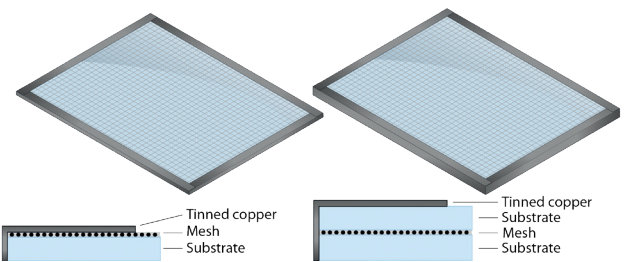
- Conductive coating window
- Mesh window copper 100 OPI



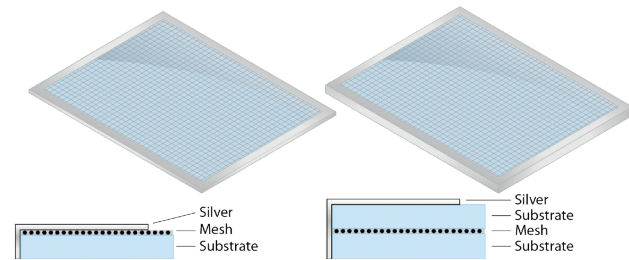
CONTACT EDGES



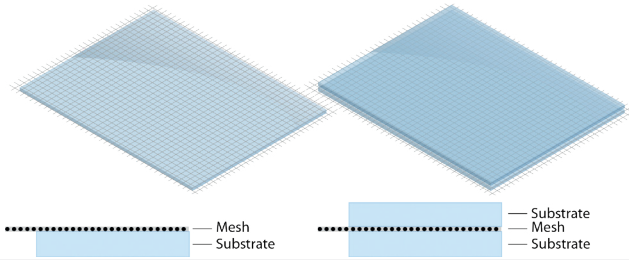
- CO : Copper busbar (Single layer)**
Wire mesh fixed onto one side of glass or plastic substrate.
- CO : Copper busbar (Double layer)**
Wire mesh fixed between two layers of glass or plastic.



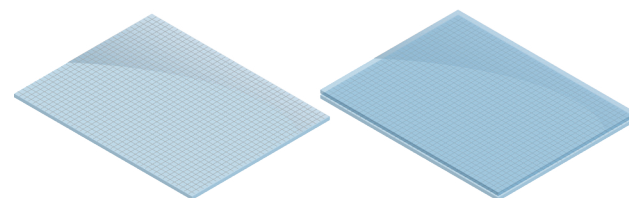
- TC : Tinned copper busbar (Single layer)**
Wire mesh fixed onto one side of a glass or plastic window. With tinned copper edges for easy soldering and grounding.
- TC : Tinned copper busbar (Double layer)**
Wire mesh fixed between two glass or plastic windows. With tinned copper edges for easy soldering and grounding.



- SB : Silver busbar (Single layer)**
Wire mesh fixed onto one side of glass or plastic substrate.
- SB : Silver busbar (Double layer)**
Wire mesh fixed between two layers of glass or plastic.



- FM : Flying mesh (Single layer)**
Wire mesh fixed onto one side of glass or plastic substrate.
- FM : Flying mesh (Double layer)**
Wire mesh fixed between two layers of glass or plastic.



- NO : No contact edge (Single layer)**
Wire mesh fixed onto one side of glass or plastic substrate.
- NO : No contact edge (Double layer)**
Wire mesh fixed between two layers of glass or plastic.