

EuropMesh

High Performance EM-Shielding for Display Applications

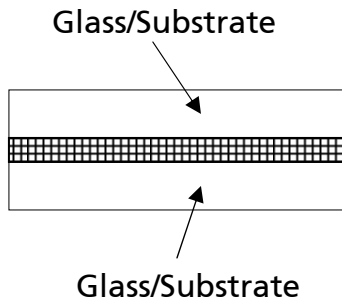


Typical Applications

- Military displays
- Medical equipment
- Plasma Displays
- Sensitive Industrial Applications

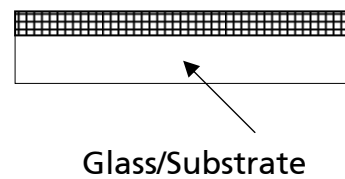
EuropMesh can be incorporated wherever high optical quality combined with electromagnetic shielding performance is required or may be useful

a) DuoSafe



b) MonoSafe

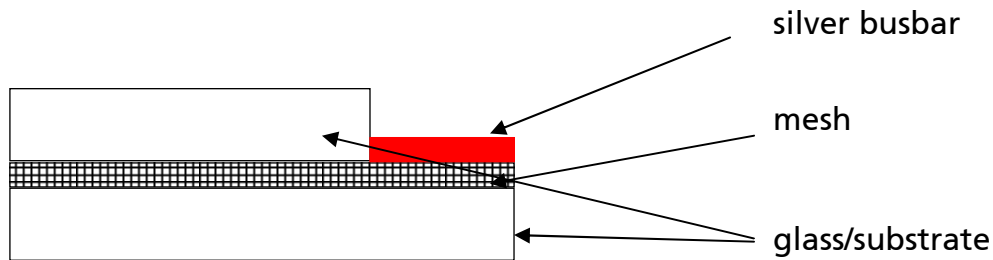
Mesh



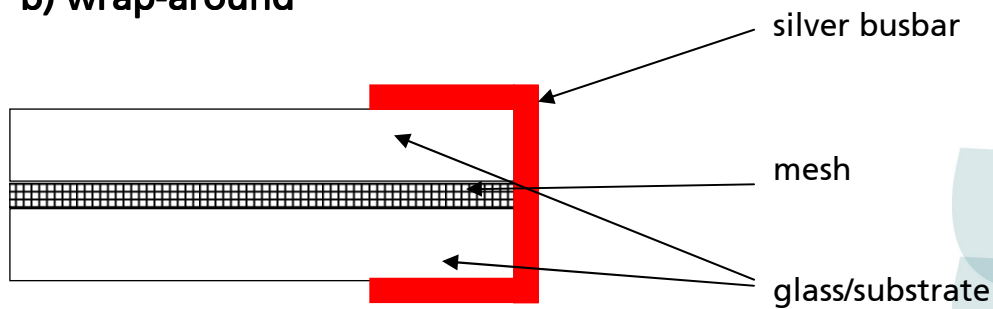
| Type | EuropMesh A | EuropMesh B | EuropMesh C |
|---|---------------|------------------------|--|
| Transmission | 80 - 90% | 60 - 70% | 40 - 70% |
| Material | Cu film based | Cu textile sheet based | Cu, stainless steel soft wire mesh based |
| Blackened | x | x | x |
| Filter Config | Mono/Duo | Duo | Duo |
| Wire diameter μm | 10-15 | 30 | 20-60 |
| O.P.I (Openings per inch) | 85 | 90 | 90+ |
| Max. diagonal screen size | ~ 60" | ~ 60" | ~ 30" |
| EMI- performance dB | | | |
| 1 - 10 MHz | ~ 60 | ~ 45 | ~ 100 - 110 |
| 10 - 30 MHz | ~ 50 | ~ 50 | ~ 90 - 100 |
| 30 - 100 MHz | ~ 60 | ~ 48 | ~ 75 - 95 |
| 100 - 1000 MHz | ~ 65 | ~ 55 | ~ 50 - 65 |
| Properties | | | |
| PDPF-Plasma Displays (TV) | ++++ | +++ | - |
| LCD/TFT (Military-, Medical-, Industrial) Devices | ++++ | +++ | ++ |
| High Shielding Requirement in Medical environment | ++ | + | ++++ |
| Optical performance transmission/high resolution | ++++ | ++ | + |
| Variable contacting possibilities | ++ | +++ | ++++ |
| Economic/profitable indicator | ++++ | ++ | + |

Busbar contacting options

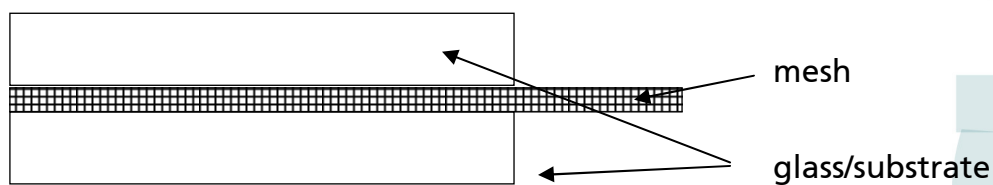
a) step



b) wrap-around

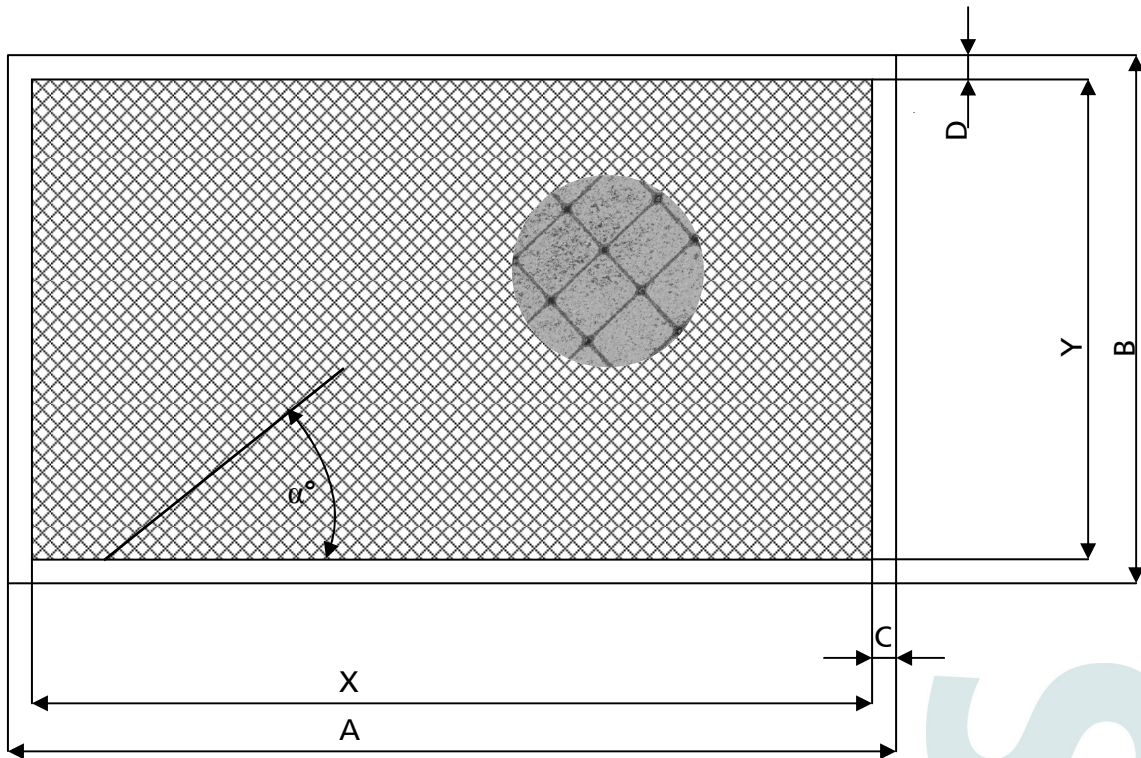


c) flexible



Further options to contact the mesh with copper tape, gaskets etc. on request.

Mesh Placement



The mesh must be placed perfectly flat on the glass at a specific angle to avoid Moiré effects. EuropTec has significant “know-how” about mesh solutions and will be glad to design a customized display filter solution for your specific requirements.