CNCGLASS
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Metallized Fabric Mesh for Laminated and Insulating Glass

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This catalog introduces a fabric mesh from CNCGLASS made to be combined with glass. The fabric mesh itself is black. One face can receive a metal coat, and that metalized face can then take a print. Once the fabric mesh sits in the glass, it gives the pane a distinctive visual effect and also lowers the energy that passes through the glass.

1. The Fabric Mesh

The base of this fabric mesh is a black precision weave. A coat of aluminum, chromium, titanium, or gold can be applied to one face. On that metalized face, a Copper or gold print can be added, or a design prepared for the project. The photographs in this catalog show the Copper finish of this fabric mesh.

One face of the fabric mesh stays black, so it remains visually quiet and does not add a color of its own.

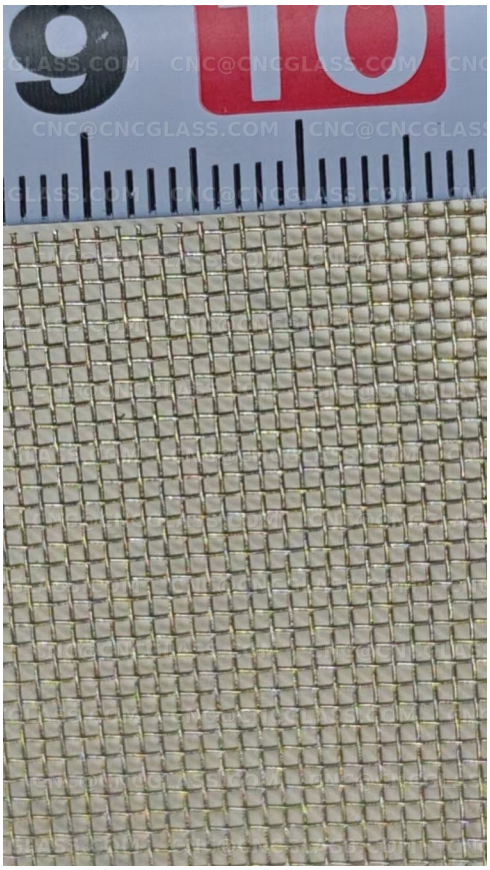


Figure 1. Close view of the fabric mesh, shown against a scale.

2. How the Fabric Mesh Is Set in Glass

For facade units, the fabric mesh is laminated between the glass panes. For insulating glass, it is tensioned in the cavity between the two panes and fastened to the frame. When only one face of the fabric mesh is metalized, the visual effect through the glass is softened, and the amount of solar energy that passes through the glass is reduced as well.

3. Visual Effect

The metalized face of the fabric mesh changes with the light that falls on it, which is what gives the sheen. The black face of the fabric mesh has little visual effect of its own. From a distance of more than 3 m, the fabric mesh is not readily seen.

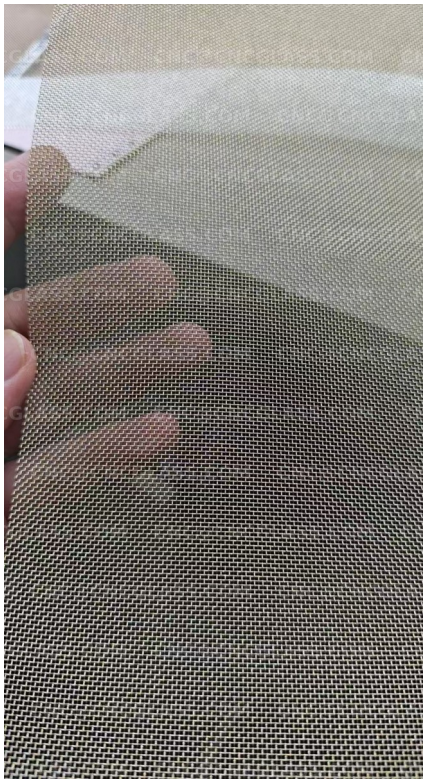


Figure 2. The fabric mesh held to the light, showing how the weave remains open.

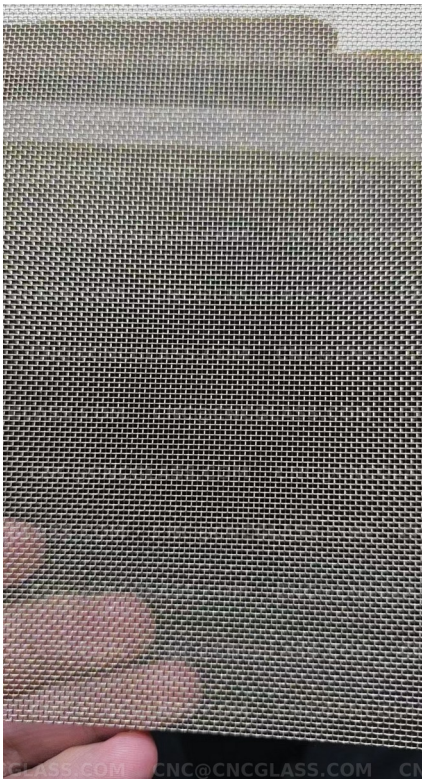


Figure 3. The metalized face of the fabric mesh in ordinary light.

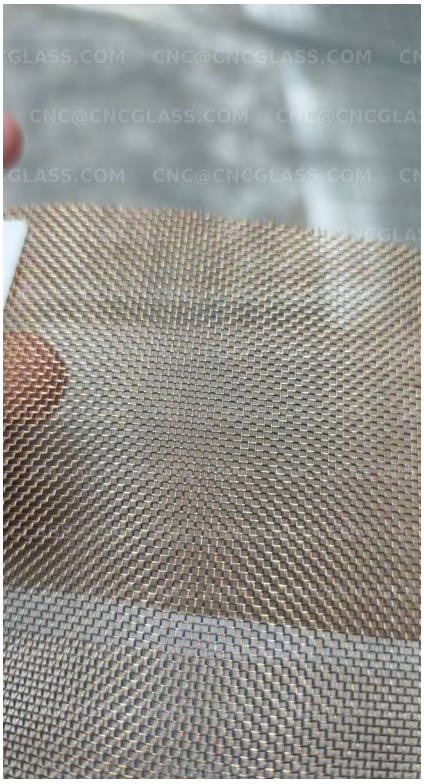


Figure 4. Copper finish on the fabric mesh, seen at an angle so the sheen is visible.

4. Further Performance and Interior Work

The same fabric mesh also helps reduce bird collisions with glass. It can also be laminated into plastics, or used as a textile surface with a distinctive look.

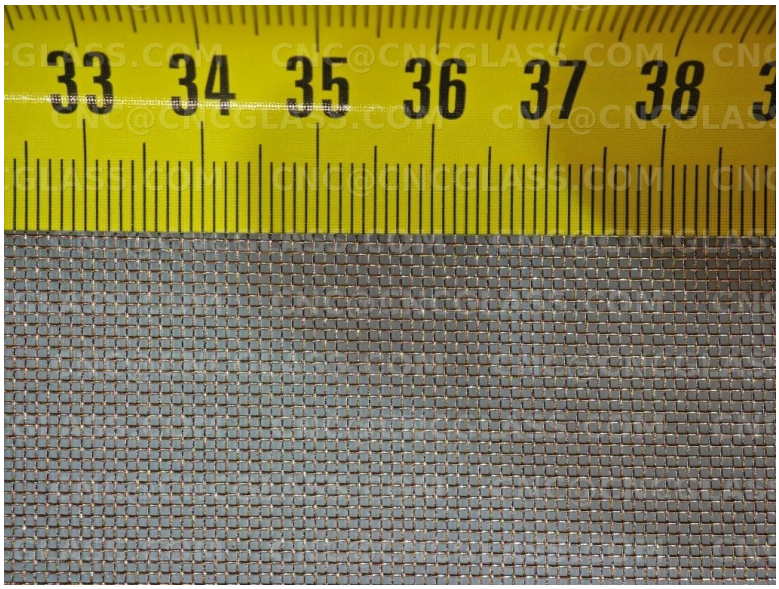


Figure 5. Density of the fabric mesh, shown against a metric scale.

5. At a Glance

Item	Detail
Product	Black precision fabric mesh
Metal coat, one face	Aluminum, chromium, titanium, or gold
Print on the metalized face	Copper, gold, or a design prepared for the project
Black face	Visually quiet
Facade glass	Fabric mesh laminated between the panes
Insulating glass	Fabric mesh tensioned in the cavity and fastened to the frame
Visual effect	The metalized face of the fabric mesh takes on a sheen with the light; from more than 3 m the fabric mesh is not readily seen. Solar energy through the glass is reduced when one face is metalized
Further uses	Helps reduce bird collisions with glass; may be laminated into plastics or used as a textile surface
Typical applications	From doors through to facade glazing

6. Commercial Notes

Please contact cnc@cncglass.com for pricing, supply, and packing details for the Copper finish of this fabric mesh, and for other metalized options.

Contact Us

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We will be glad to advise on this metallized fabric mesh, including the Copper finish, for laminated glass and insulating glass.