

**Innovation, quality and safety** at the service of selected customers. **Flexibility and transparency** at every stage of product development, punctuality, **reliability** and **maximum customisation** of all the solutions.

Your partner of excellence for the development and delivery of technologically advanced, high value-added solutions.

**PG** | **PIETRO GALLIANI**  
METAL INNOVATION, SINCE 1885

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## CRAFT ART

Silver  
Copper  
Laminates



## Silver foils, rolled silver-copper foils, other copper alloy foils bare or laminated

### PRODUCTS

**Silver foils:** the most widely used metal foil by manufacturers all over the world.

**Copper alloy foils:** used for the particular colour shades in red, brown and gold that these metal foils can reproduce.

**Ag-Cu laminates:** Rolled Ag-Cu foils provides adaptive mechanical properties where very delicate processing is required.

### SERVICE

We accept orders for even the smallest production quantities and guarantee our customers fast and reliable delivery times. We offer customised solutions, designed and developed to express the proper characteristics and suit unique production cycles.

### APPLICATIONS






- Giftware
- Decorations
- Sacred art



## CRAFT ART

### Silver / Copper / Laminates



	Ag	Cu ALLOYS	Laminates
MATERIAL	 <p><b>Silver with up to 99.99% purity;</b> silver alloys with variable percentages of Cu; impurity control in PPB.</p>	<p><b>4 types of brass (CuZn), 2 types of bronze (CuSn), 2 types of nickel silver (CuNiZn)</b> and other special alloys with high heat resistance available.</p>	<p><b>Metal-on-metal</b> lamination; different types of adhesives with different degrees of adhesiveness and heat resistance; possibility to make any single metal foil adhesive.</p>
THICKNESS	 <p>Thickness from <b>8 my</b>; thickness tolerance up to +/- 3%; minimum width 1 mm.</p>	<p>Thicknesses from <b>8 my</b>; thickness tolerance depending on alloy type.</p>	<p>Different combinations depending on the materials used.</p>
FORMATS	 <p>Plastic flanges available for each reel; reduced width reels available; customised shapes available on request.</p>	<p>Packaging made of vacuum rolled barrier; on request protection against oxidising agents, barrier bag and other special packaging.</p>	<p>Coils or slabs available.</p>
MECHANICAL PROPERTIES	 <p>Annealed foils with <b>HV &lt; 60</b>; hard foils with HV &gt; 75; mechanical properties with narrow tolerance ranges for special applications.</p>	<p>Tensile strength up to <b>&gt; 800 MPa</b>; guaranteed mechanical resistance up to <b>200°C</b>; high ductility customised according to requirements</p>	<p>Deep drawing analysis available through Erichsen test.</p>
SURFACE	 <p>Specular surface with very low surface roughness; the absence of surface impurities guarantees the highest level of polishability; anti-scratch protection film available.</p>	<p><b>Low roughness (&lt; 0.1my Ra);</b> coatings, tin plating and silver plating available on request.</p>	<p>Scratch-resistant surface available for applications with a high level of plastic deformation.</p>