Clad Materials
The cladding process combines at least two different metals to form a single solid piece of strip. The individually prepared component strips are fed in parallel to the rollers of the cladding mill where they are bonded together under enormous cold-rolling pressure. A heat treatment process then ensures that the components do not subsequently delaminate.

The clad strip can then be further processed to the customer’s requirements by means of cold-rolling, annealing and slitting to finished size. This means that we can supply clad strip in a range of tempers from fully annealed to hard, as rolled.

Benefits

› Improved or entirely new properties depending on the components selected
› Bespoke cladding options
› Properties in accordance with customer requirements
As versatile as a set of building blocks

New solutions - for the demands of tomorrow

For many applications clad strip represents an excellent cost-effective alternative to a single metal strip, particularly if a material with entirely new properties is required.

Different markets require different solutions. Whether that be in the Automotive industry, the Electrical industry or in Coinage production. Component metals are selected to produce clad strip with the necessary properties for that particular application.

Just like a set of building blocks, various metals can be combined in such a way that a product with entirely new properties can be created. All in accordance with your own requirements. The corner stones of Auerhammer Metallwerk’s long-held success are the unrivalled technical know-how of our engineering staff, the creativity of our highly-motivated workforce, the enthusiasm and loyalty of our customers, as well as the high quality of our products.

We would welcome the opportunity to help progress any future projects by way of trial production in Aue or discussions within Wickeder Group as a whole. Together we will create the most suitable material for your application.
The metal specialists of the Wickeder Group have combined their strengths to offer you the best of metal. On three continents, Europe, North America and Asia, there is a wide range of standard and bespoke solutions available. Through our product and service-oriented business model, it is possible to provide the highest quality standards, flexibility and fast reaction times. Ultra-modern production lines, professional knowledge and innovative solutions have all helped to ensure the success of the Wickeder Group.

**Multiple combinations**

Summary of regular products

| Cladding Options |  
|---|---|---|---|---|---|---|---|---|---|---|---|
| One Side | Copper | Tombac | Brass | Bronze | Nickel | FeNi |
| Base Metal | Base Metal | Base Metal | Base Metal | Base Metal | Base Metal |
| Two Sides (similar or different layer thicknesses) | Copper | Tombac | Brass | Bronze | Nickel | FeNi |
| Base Metal | Base Metal | Base Metal | Base Metal | Base Metal | Base Metal |
| Different Layers | Copper | Tombac | Brass | Copper | Nickel | Tombac |
| Base Metal | Base Metal | Base Metal | Base Metal | Base Metal | Base Metal |

The base or core metal can be carbon steel, stainless steel, or Nickel, Copper and FeNi alloys.

**Layer Metals**

<table>
<thead>
<tr>
<th>Layer Metals</th>
<th>Steel</th>
<th>DC04</th>
<th>Copper</th>
<th>Cu-PHC</th>
<th>CuZn10</th>
<th>CuSn6</th>
<th>Ni99.2</th>
<th>LC-Ni99.6</th>
<th>CuNi15</th>
<th>CuNi20/CuNi25</th>
<th>FeNi36</th>
<th>FeNi29Co18Mn</th>
</tr>
</thead>
</table>

**Available Dimensions**

Thickness: 0.1 - 3.2 mm
Width: 3.0 - 300 mm

**Examples of combined properties**

- Tensile strength and corrosion resistance
- Tensile strength and friction characteristics
- Tensile strength and electrical conductivity
- Tensile strength and solderability
- Spring properties with electrical conductivity and/or corrosion resistance

**Auerhammer Portfolio**

- Clad Strip
- Thermostatic Bimetals
- Sealing and Expansion Alloys
- Soft-Magnetic Alloys
- Coinage Strip
- Temperature and Corrosion Resistant Alloys
- Welding Alloys
- Metal Foils

**Product Groups of Wickeder Group**

- Clad Material
- Thermostatic Bimetals
- Metal Strips & Metal Foils
- Nickel Alloy Bars & Wires
- Precision-etched Metallic Components

**www.wickeder-group.com**