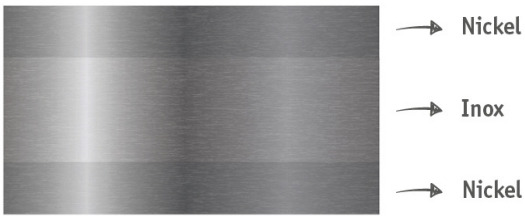
Clad Materials

Auerhammer Metallwerk
Wickeder Group

Brief description

Clad materials consist of at least one base material and a layer material, which are joined together by cold rolling. In this way, the positive properties of the different metals can be combined. The deliveries are possible in soft, deep drawing or cold-rolled quality depending on the intended use. Test criteria can be yield strength, tensile strength, elongation, hardness, formability and grain size; in special tests, electrical resistance and earing test. Other properties by arrangement.

Samples of two layer and three layer



Material Options	
Copper	Cu-PHC, etc.
Nickel	Ni 99.2 / LC-Ni 99 / LC-Ni 99.6, etc.
Brass	CuZn10 / CuZn37 / CuZn25, etc.
Bronze	CuSn6, etc.
Alloys	Nickel-, Iron-Nickel-, Copper-Alloys
Stainless Steel	1.4301 / 1.4306 / 1.4310 / 1.4541 / 1.4404 / 1.4512 / 1.4521 / 1.4571, etc.
Unalloyed Steel	DC04 / DD11 / DD14 / C10, etc.

You will find the range of material options online.

On **www.clad-configurator.de** you can create your individual cladding strip with up to five layers in different thickness ratios.

After configurating a cladding strip, the server calculates within seconds the associated material properties, such as mechanical, chemical and physical data.
You can send these data via an online formular to your own email address.

08/22

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Dimensions and tolerances: Thickness & Width (in mm)

Thickness	Width < 250		Width > 250 - 300	
	normal	fine	normal	fine
< 0.20	+/- 0.015	+/- 0.013	+/- 0.020	+/- 0.015
> 0.20 - 0.30	+/- 0.020	+/- 0.015	+/- 0.030	+/- 0.020
> 0.30 - 0.50	+/- 0.025	+/- 0.020	+/- 0.040	+/- 0.030
> 0.50 - 0.80	+/- 0.030	+/- 0.025	+/- 0.050	+/- 0.035
> 0.80 - 1.00	+/- 0.035	+/- 0.030	+/- 0.050	+/- 0.035
> 1.00 - 1.50	+/- 0.040	+/- 0.030	+/- 0.060	+/- 0.040
> 1.50 - 1.80	+/- 0.045	+/- 0.035	+/- 0.070	+/- 0.050
> 1.80 - 2.50	+/- 0.050	+/- 0.040	+/- 0.080	+/- 0.060
> 2.50 - 3.00	+/- 0.060	+/- 0.050	+/- 0.090	+/- 0.070

Width	Thickness ≤ 0.40	Thickness > 0.40 - 1.50	Thickness > 1.50 - 2.00	Thickness > 2.00 - 3.00
≤ 125	+ 0.3	+ 0.4	+ 0.6	+ 0.8
> 125 - 250	+ 0.4	+ 0.6	+ 0.8	+ 1.0
> 250 - 300	+ 0.6	+ 0.8	+ 1.0	+ 1.2

Length (in mm)

Thickness	Width 500 - 3000
0.40 - 2.00	+ 10

Delivery forms (in mm)

Form	Thickness	Width	Length	Coil-ID	Coil-OD
Coil	0.40 - 2.00	50 - 300	500 - 3000		
Strip / Sheet	0.10 - 3.00	10 - 300		300 / 400 / 500	max. 1050

Surface finish

Strips can receive a cold-rolled or brushed surface depending on the customer's requirements.
Surface can also be oiled.

Important Note: All data in this Material Data Sheet are only for information purposes. Other dimensions and features to customer specification on request. Guarantees relating to specific characteristics or purposes require always a special written agreement.

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