

Aludium's core competencies are the formability and surfaces of flat rolled aluminium. By combining our unique knowhow with high purity alloys, Aludium has become the natural leader in the supply of base material for the high bright exterior trim parts of premium cars.



5505 and 55AT alloys have been developed by Aludium specifically for exterior automotive trim applications. These include window frames, roof rails, sunroof trim, roof racks, B- and C-pillar decoration, and other exterior decorative parts which require the highest quality finish.

5505 is the first choice in terms of formability and brightness for the premium car segment. Aludium's packaging and in-house slitting and cut-to-length capabilities are designed to ensure impeccable bright surfaces when the material is processed by our customers. High productivity is guaranteed.

55AT alloy is the innovative (and only) alternative to 5505 on the market. It provides clear cost savings and enables our customers to offer solid metal trim parts for new car segments. 55AT is very cost-effective both in terms of its initial cost and yield. It has a level of cleanliness not found in any comparable alloy. This guarantees consistently perfect anodising and brightening results.

With Aludium's 5505 and 55AT alloys, OEMs are guaranteed a high-quality surface which will bring the premium feeling of aluminium to their exterior trim applications.

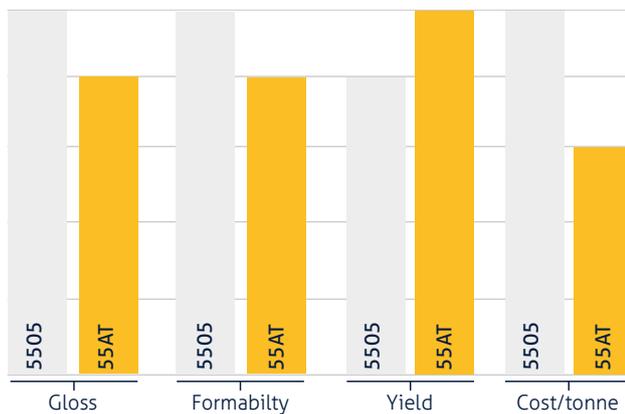


Technical Data

Alloys	5505, 55AT
Temper	O, H1x, and H2x
Thickness [mm]	0.3 to 1.5
Width [mm]	46 to 1250
Format	Coils, slit coils, and sheets
Certifications	ISO 9001:2000 Quality standard ISO 14001 Environmental standards IATF 16949 Automotive

Surface finish	Fini Brillant	Grand Brillant
Minimum Specular Gloss	75%	75%
		

According to DIN 67530, ASTM D523, and ISO 2813 standards, measured at 20° with reflectometer in rolling direction. These values show guaranteed minimum gloss on raw samples in hard temper. They can vary widely depending on the alloy, temper, and dimensions.



Surface quality

Our Fini Brilliant and Grand Brilliant surface finishes are appreciated for their uniform appearance. Both Fini Brilliant and Grand Brilliant can reach typical specular gloss values from 75 up to 85%.

Our products meet the most demanding surface treatment requirements for electrical and chemical brightening, anodizing, lacquering, brushing, laser engraving, lithography, and silk-screen printing.

Formability

In addition to surface finish and reflectivity, many applications demand aluminium with optimised mechanical properties.

Aludium provides alloys which have the necessary metallurgical structure and mechanical properties to meet the demands of our customers' forming processes. These include deep drawing, bending, stamping, flanging, roll forming, and hydroforming.

Packaging and surface protection

Aludium can deliver our products with surface protection such as interleaved paper or plastic film, customised to your individual requirements. Products are delivered on pallets or in cases. Contact us to discuss your requirements.

