



# Aluminum

After oxygen and silicon, aluminum is the third most common element in the earth's crust, and the most frequently occurring metal. In the aviation and aerospace sector, it has long become indispensable, but it has also become increasingly important in the automotive industry. The strength levels achieved in alloys with magnesium, silicon and other metals are hardly inferior at all to those of steel. At the same time, appreciable weight savings are achieved.

## exsal

Our premium product exsal offers another surface innovation: it is first grinded in samples and then anodized, which gives it a thick protective layer. As an aesthetic and at the same time light material, it is used in interior furnishings and facades.

## SAV2/2

SAV2/2 provides an alternative to the classic protective coating: It is anodized on both sides and is therefore ideal for outdoor use, such as facades, windows, doors and roofing.

## Aluminum

### Aluminum alloys

Alloy designation to EN 485	Chemical designation	Heat-treated condition	Thickness	Width max.
EN AW 1050A	Al 99,5	H111	0.8–3.0	1,500
EN AW 1050A	Al 99,5	H24	0.8–3.0	1,500
EN AW 1050A	Al 99,5	H14	0.8–3.0	1,500
EN AW 5005A	Al Mg1 (C)	H24	0.8–4.0	2,000
EN AW 5005A (anodizing quality)	Al Mg1 (C)	H14	0.8–4.0	2,000
EN AW 5005A (anodizing quality)	Al Mg1 (C)	H24	0.8–4.0	2,000
EN AW 5754	Al Mg3	H111	0.5–5.0	2,000
EN AW 5754	Al Mg3	H22	0.5–5.0	2,000
EN AW 5049	Al Mg2 Mn0,8	H22	0.6–1.0	1,000

### Alloys for automotive applications

Alloy designation to EN 485	Chemical designation	Heat-treated condition	Thickness	Width max.
EN AW 5083	Al Mg4,5 Mn0,7	H111	1.0–3.0	1,600
EN AW 5182	Al Mg4,5 Mn0,4	H111	0.8–4.0	1,600
EN AW 6016	Al Si1,2 Mg0,4	T4	0.8–4.0	2,000
EN AW 6181	Al Si1 Mg0,8	T4	0.8–4.0	2,000
EN AW 6082	Al Si1 Mg Mn	T4	1.0–3.0	1,600
EN AW 6082	Al Si1 Mg Mn	T6	1.0–3.0	1,600

### Coated alloys

Designation	Chemical designation	Color	Thickness	Width max.
Anodized E6/EV1 ~ 9–10 µm		Natural finish	1.0–3.0	2,000
Anodized E6/EV1 ~ 10–12 µm		Natural finish	1.0–3.0	2,000
Anodized E6/EV1 ~ 15/20 µm		Natural finish	1.0–3.0	2,000
EN AW 5049	Al Mg2 Mn0,8	Anodized on both sides	0.6–1.0	1,000
RAL 9006 Powder coating/Wet coating		White aluminum	1.0–2.0	1,500
RAL 9007 Powder coating/Wet coating		Gray aluminum	1.0–2.0	1,500
RAL 9010 Powder coating/Wet coating		Pure white	1.0–2.0	1,500
RAL 9016 Powder coating/Wet coating		Traffic white	1.0–2.0	1,500

Other dimensions and alloys are available on request.

All alloys comply with OEM standards and are available with EDT surfaces, dry lubricants and passivation. Slit strip, sheet and small coils are provided with intermediate paper layers and/or protective film on one or both sides in accordance with the customer's specifications.