



Not just aluminium, Novelis Aluminium.™

Novelis is the world's largest producer of rolled aluminum and the global leader in beverage can recycling. We are a growth-oriented company, drawing upon our industry-leading technology and expertise to develop and deliver an expanding portfolio of premium rolled aluminum products.

Novelis is an important part of the worldwide Aditya Birla Group of companies. By partnering with our customers to bring innovative products to market, by being a leader in recycling, and by operating with a mindset of sustainability, Novelis makes the world lighter, brighter and better.

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Certified to DIN EN ISO 9001, DIN EN ISO 14001,
DIN EN ISO 50001, OHSAS 18001.

All the information and technical data given reflect the situation and our experience on the date when this brochure went to print. We reserve the right to make changes.



Novelis

Products

Pre-painted aluminium for signs and more

SIGNICOLOR®



Novelis

SIGNICOLOR® by Novelis – A powerful partner for your success

Why not benefit from the expertise of the world's largest manufacturer of aluminium rolled products?

Use our decades of experience in coil coating aluminium to your advantage. When it comes to such a versatile material as coil-coated aluminium, quality is critical.



Novelis meets this need by tailoring each material to its specific application - and factoring in everything from the surface coating to the alloy. Applying international quality standards such as Euronorm, DIN, ISO, BS, ASTM and ECCA, we conduct ongoing and intensive tests of materials and surfaces in our cutting-edge laboratories. Giving you quality that is signed, sealed and delivered.

Immaculate appearance. More creativity. Top quality.

Surface – Appearance



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Many flights of creative genius come crashing down to earth simply because the idea behind them cannot be turned into reality.

To ensure that this does not happen to you, we have developed SIGNICOLOR® - a precoated aluminium sheet that combines aesthetics and functionality in one.

The high-quality surface of SIGNICOLOR® is ideal for screen and digital printing, laminating and lacquering.

SIGNICOLOR® can be used both indoors and outdoors and undergoes strict quality controls. There are no limits to your creativity – either in terms of how you process it or the visual impression you create. Its easy handling, extreme stability and durability make SIGNICOLOR® an extremely cost-effective material.

The recycling system which is already in place for aluminium not only benefits the environment – you also profit from the old metal value when you put it back into circulation. If you have any suggestions as to how SIGNICOLOR® can be further optimised, please do not hesitate to contact us. This is the only way to ensure that SIGNICOLOR® remains a product developed with your visions in mind. The coating used for SIGNICOLOR® provides the perfect conditions for maximum visual impact - delivering brilliant results in both screen and digital printing.

Surface - appearance

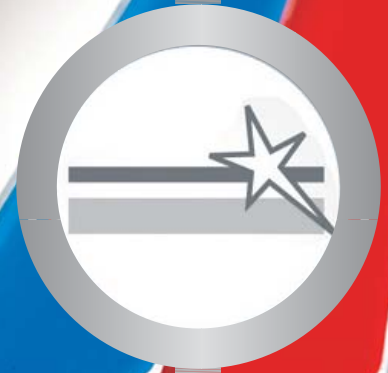
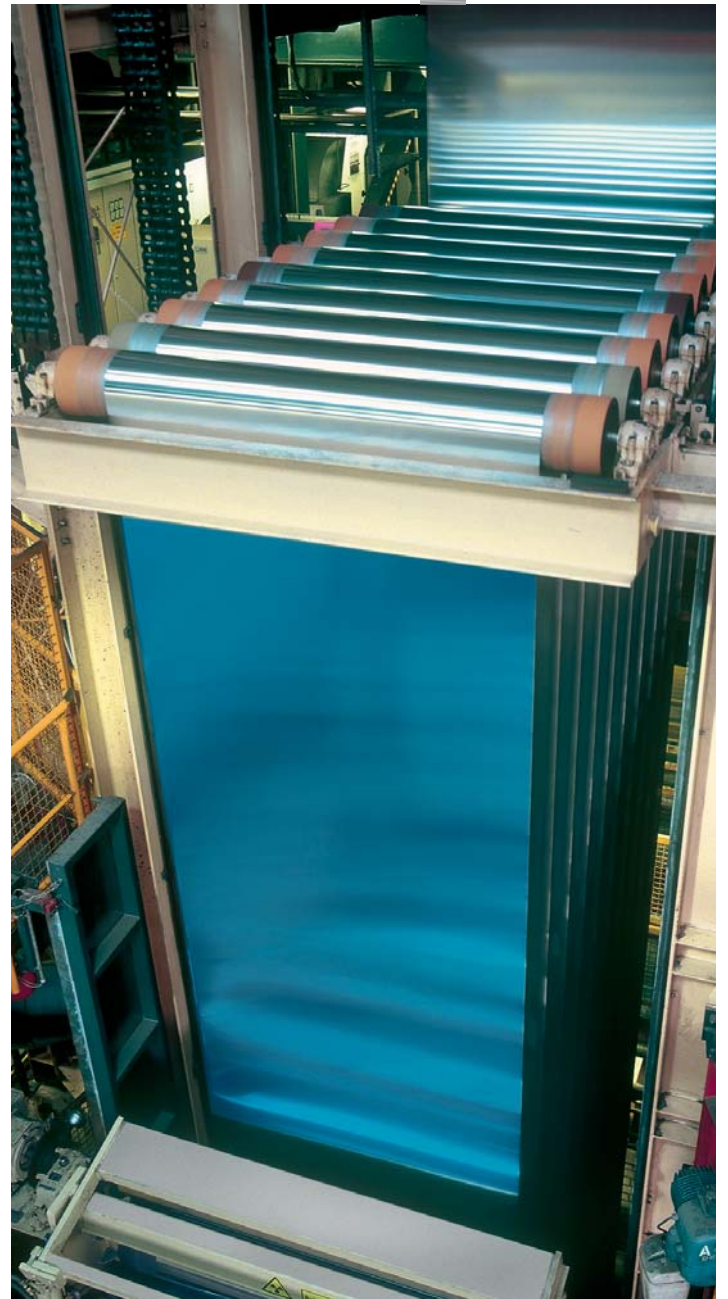
SIGNICOLOR®

SIGNICOLOR® has an absolutely smooth, high-gloss surface that is ideal for even the most prestigious applications. The range of colours is extensive – from natural aluminium to white, yellow, red, blue, black and metallic – and the surface is protected by a cutting-edge film when delivered.

SIGNICOLOR® is also ideal for a broad range of applications, including advertising signs, pylons, information signs, logos or stairway advertising. Material that delivers the very best results with all popular printing technologies. No matter whether you use screen printing or digital printing, the surface requires no further treatment.

The quality is so good that the SIGNICOLOR® surface can also be laminated or overpainted.

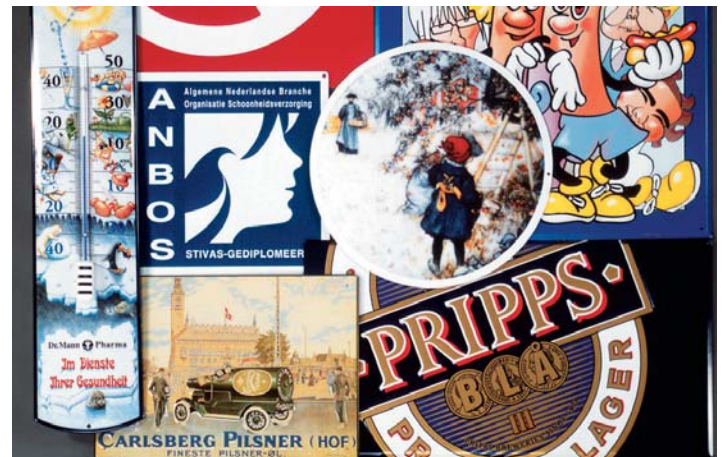
What about the reverse? You may assume it is simply a one sided product. We also give the reverse side of the SIGNICOLOR® sheet a functional, protective coating to ensure you can process it whether for printing or laminating with excellent results.





The brightest prospects with SIGNICOLOR®: The coating offers an ideal foundation for brilliant screen and digital printing results.

Beautifully versatile!



What more could you ask for?

Well, how about particularly attractive styling - it can be edged, milled or sawn with consummate ease.



Durability proven in practice:

- Excellent weather and UV-resistance, even in extreme climates
- Lacquering does not come away at the edges
- Lacquering does not peel off
- No blistering along the folded edges

Stability



SIGNICOLOR®

SIGNICOLOR® sheets are free of stress and perfectly flat. Two alloys are available to give you the perfect balance between costs and benefits. This ensures that you always have the best solution for every application. Our AlMg3 alloy has an extremely high load-bearing capacity.

Thereby reducing the stiffeners and substructures. The additional alloy AlMn1Mg0,5 is especially suited for forming processes. Both alloys are resistant to corrosion and exhibit extremely low linear expansion – namely 1 mm expansion per 1 meter in length over a temperature change of 40 °C.





Looks good even in heavy duty applications.

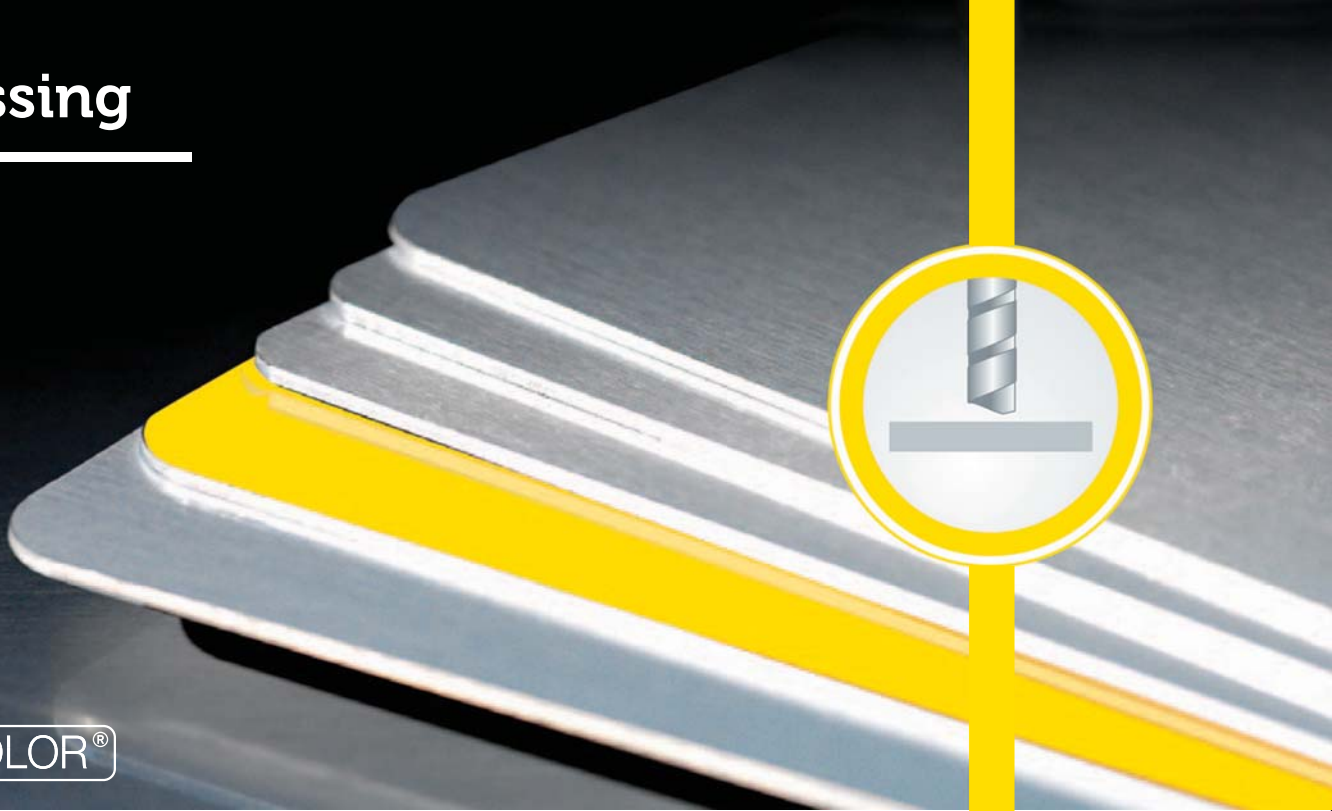


Why choose between functionally and styling? SIGNICOLOR® gives you both.

Maximum tension in m in normal range

Height (m)	Load (wind pressure) k/N m ²	Single-span girder SIGNICOLOR®	Double-span girder SIGNICOLOR®
		AlMg3 2.00 mm	AlMg3 2.00 mm
0 - 8	0.52	0.97	1.11
8 - 20	0.80	0.78	0.87
20 - 100	1.10	0.67	0.75
> 100	1.30	0.61	0.69

Processing



SIGNICOLOR®

Simple and reliable – that's all you really need to know about processing SIGNICOLOR®. But perhaps we should add that it's versatile and cost-effective, too.

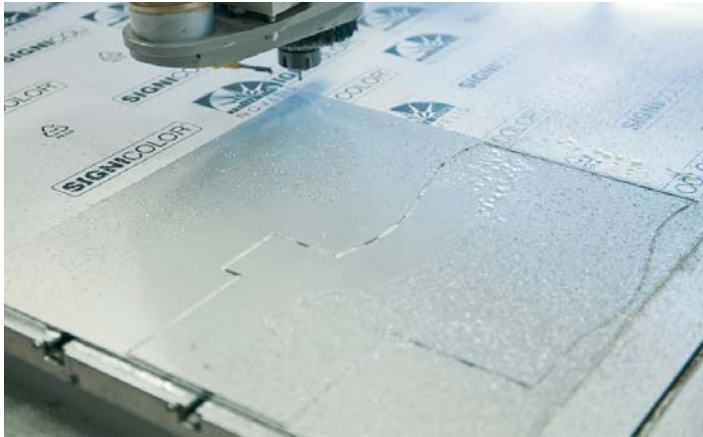
Or that it can be secured effectively in a number of ways. For example, you can save both time and money using 2 mm stud welding – just one of many ideas that make working with SIGNICOLOR® fast, reliable and inexpensive.



With SIGNICOLOR®, there's one thing you can always rely on - the fastening will not rip out when it is put under load.



In option for SIGNICOLOR®, you have chosen a material that can do (almost) everything you want.



Ideal, when it comes to processing and fastening.



Fastening options

- Stud welding
- Offset Joining
- Riveting
- Bonding
- Punch Riveting
- Bolting

For more detailed information, contact us.

Innovative solutions



SIGNICOLOR®

Perhaps you have an interesting project, but you're finding it difficult to implement it. If so, why not give us a call?

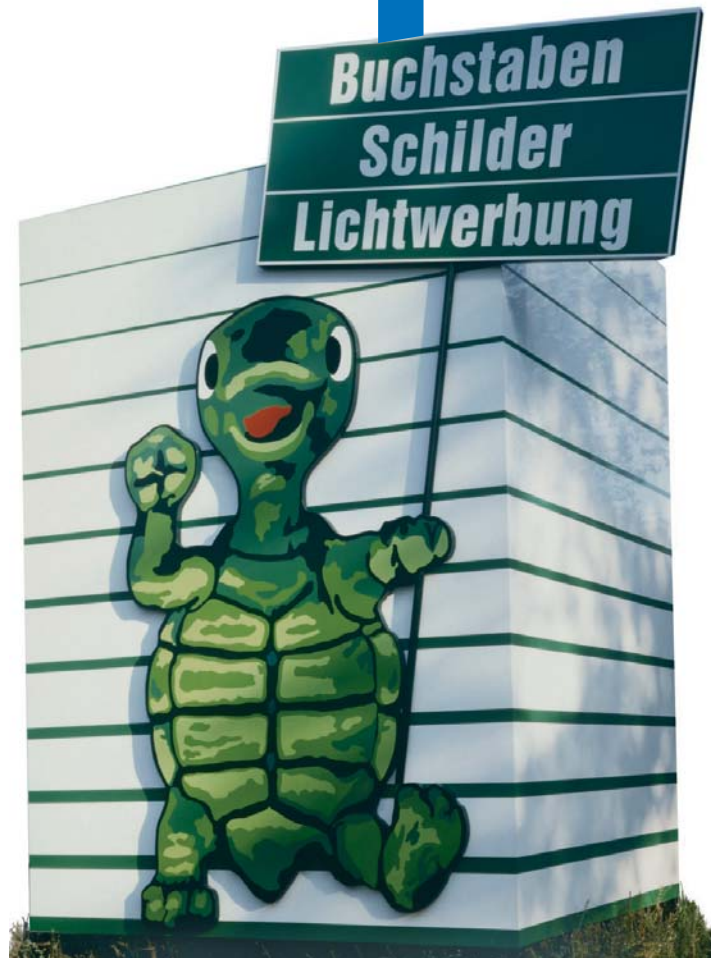
We will work closely with you in developing the optimum solution to your needs.

This is an approach that has already given rise to a whole range of innovations.

But we have many other examples, too. Including our "Ready to Go" solutions for SIGNICOLOR® blanks in a range of geometries.



Remember -
**There are no limits
to your creativity!**





If you're looking for special solutions, **SIGNICOLOR®** will go all the way to help you!



SIGNICOLOR® for innovative solutions.



Cash back

Our disposal concept -
Money in your pocket.



SIGNICOLOR®

Forget about disposal costs!

Instead, let's rather talk about turning your used SIGNICOLOR® sheets and leftovers into hard cash using a recycling operation in your area.

All SIGNICOLOR® sheets are fully recyclable. State-of-the-art remelting technologies mean that aluminium can now be recycled any number of times.



Your old SIGNICOLOR® sheets will therefore be used as the raw material for new ones. **SIGNICOLOR® not only helps you to protect the environment - it also saves you money.**



Environment

Responsibility for environment & resources.



SIGNICOLOR®

SIGNICOLOR® sheets are produced using the coil-coating process – a technology that is unique in its approach to the environment and scarce resources. The use of chemicals and dyes is reduced to a minimum thanks to the special pretreatment and roller application process.

When stoving the lacquer, extracted solvents are combusted and fed back into the process as heat. This ensures that Novelis remains well below the statutory emission thresholds.

The result is a coating that combines ideal ad-hesive qualities with excellent resistance to corrosion.

It's good to have an environmentally friendly material that helps conserve resources. It's easy on your budget too, so much the better. **SIGNICOLOR® means responsibility.**



Fire protection class A1

With SIGNICOLOR® there's no need to get hot under the collar about fire protection.



SIGNICOLOR®

SIGNICOLOR® is compliant with fire protection class A1 (DIN EN 13501-1) and therefore offers you maximum safety for both indoor and outdoor use.

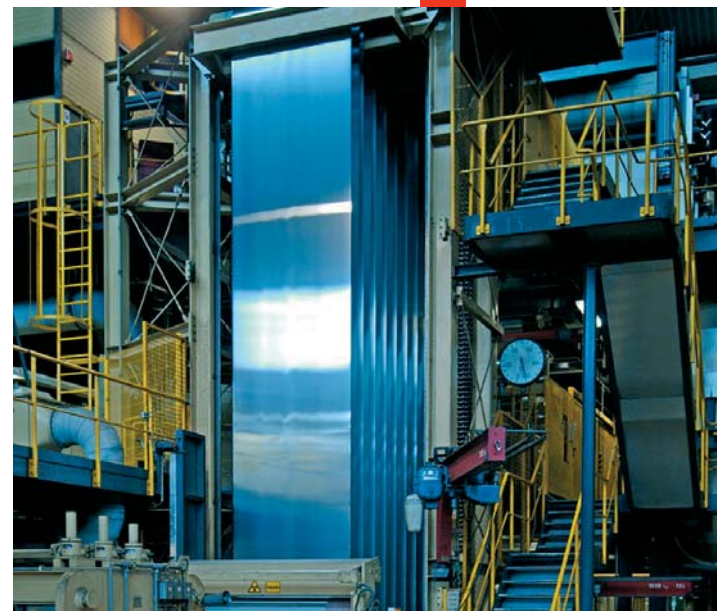
All sheets can be used wherever fire guidelines are particularly strict - for public buildings as for example in schools, hospitals, at airports, exhibition grounds etc. only non-flammable material is permitted.

SIGNICOLOR® puts you one step ahead of the rest when it comes to fire protection!



According to the latest DIN EN 13501 Novelis pre-painted aluminium has been approved as non-combustible and certified in the best category A1:

**Non-flammable,
no smoking gases!**



Product range

SIGNICOLOR®

This range is available from your local dealer, who will also be pleased to assist you with cutting to size. As a result of the printing process, the colours shown in this brochure may be slightly different from those obtained in practice. The colours are similar to the RAL colours mentioned. We would be pleased to send you our hand samples.



Eisgelb
11P5-80 (RAL 1018)

Schwanenweiss
1946-80 (RAL 9003)

Brillantmetallic
2923-40 (RAL 9006)

Tomatenrot
1341-80 (RAL 3000)

Atlantikblau
1558-80 (RAL 5017)

Kohlenschwarz
1007-95 (RAL 9005)

SIGNICOLOR® dimensions

Novelis SIGNICOLOR® in 2.0 mm thickness is always supplied with the alloy AlMg3 (EN AW 5754).

In 1.0 or 1.5 mm thicknesses SIGNICOLOR® is produced on the base of AlMnMg0,5 (EN AW 3005), the adequate alloy suitable for forming processes.

Thickness (mm)	Size (mm)	Colours
1.0	3000 x 1500	White
1.5	2000 x 1000	White
1.5	2500 x 1250	White, Yellow, Red, Blue, Black
1.5	3000 x 1500	White
2.0	2000 x 1000	White
2.0	2500 x 1250	White, Yellow, Red, Blue, Black
2.0	3000 x 1500	White, Light Grey
2.0	4000 x 1500	White