



Immaculate appearance.  
More creativity.  
Top quality.

**SIGNICOLOR®**

# 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.

## SIGNICOLOR®

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.

SURFACE – APPEARANCE



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# Signicolor - creativity that knows no bounds

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 pre-coated 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.



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# Surface – appearance

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, green, 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 Signicolor's 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

# Fire protection class A1

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

According to the latest EN 13501 Novelis pre-painted aluminium has been approved as non-combustible and certified in the best category A1: **non-flammable, no smoke gases!**

*FIRE? LEAVES US COLD.*





Signicolor is compliant with fire protection class A1 (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!**

# Stability



You no longer need to choose between functionality and styling. Signicolor gives you both. 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.

Why choose between functionality and styling?  
**Signicolor gives you both.**

*LOOKS GOOD EVEN IN HEAVY  
 DUTY APPLICATIONS*



		Maximum tension in m in normal range	
		Single-span girder Signicolor	Double-span girder Signicolor
Height (m)	Load (wind pressure) k/N m <sup>2</sup>	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

In opting for Signicolor, you have chosen a material that can do (almost) everything you want.

*WHEN IT COMES TO PROCESSING  
AND FASTENING -  
TAKE IT EASY.*



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.**



You can obtain further information about Signicolor at [www.signicolor.com](http://www.signicolor.com).

For more detailed information, just request our processing instructions or the Signicolor CD.

**Fastening options:**

- Stud welding
- Riveting
- Punch riveting
- Offset joining
- Bonding
- Bolting

# Innovative solutions



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. Working with one of our customers, for example, we have been able to implement a Signicolor solution for use in sound-deadening applications.

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

*YOUR WISH  
IS OUR INNOVATION.*



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!**

# Environment

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.**

*RESPONSIBILITY FOR  
ENVIRONMENT AND RESOURCES.*



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 adhesive qualities with excellent resistance to corrosion.**

# Cash back



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.

Signicolor becomes Signicolor becomes Signicolor...

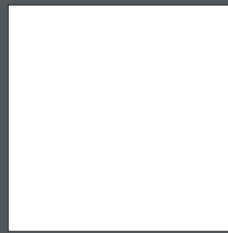
*OUR DISPOSAL CONCEPT –  
MONEY IN YOUR POCKET.*



Your old Signicolor sheets will therefore be used as the raw material for new ones.

**Signicolor not only helps you protect the environment –  
it also saves you money.**

# Product Range



Schwanenweiß 1946-80  
RAL 9003














Eisgelb 11F8-80  
RAL 1018

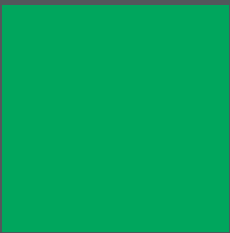


Tomatenrot 1341-80  
RAL 3000

## Signicolor dimensions:

THICKNESS (mm)	SIZE (mm)	COLOURS
1,0	3000 x 1500	<input type="checkbox"/>
1,5	2000 x 1000	<input type="checkbox"/>
1,5	2500 x 1250	<input type="checkbox"/>     
1,5	3000 x 1500	<input type="checkbox"/>
2,0	2000 x 1000	<input type="checkbox"/>
2,0	2500 x 1250	<input type="checkbox"/>     
2,0	3000 x 1500	<input type="checkbox"/> 
2,0	4000 x 1500	<input type="checkbox"/>

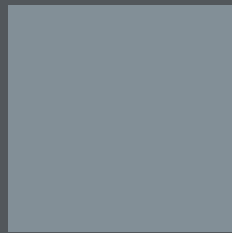
Novelis Signicolor in 2.0 mm thickness is always supplied with the alloy AlMg3 (EN AW 5754). In 1.00 or 1.5 mm thicknesses Signicolor is produced on the base of AlMn1Mg0,5 (EN AW 3005), the adequate alloy suitable for forming processes.



Taunusgrün 1682-80  
RAL 6029



Atlantikblau 1558-80  
RAL 5017



Brilliantmetallic 2923-40  
RAL 9006

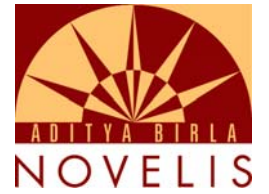


Kohlschwarz 1007-95  
RAL 9005



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 original sample box.



*WWW.SIGNICOLOR.COM*

**Novelis Deutschland GmbH**

Hannoversche Straße 1

37075 Göttingen

Deutschland

Telefon +49 (551) 304-0

Telefax +49 (551) 304-593

[www.novelis-painted.com](http://www.novelis-painted.com)

[sales.goettingen@novelis.com](mailto:sales.goettingen@novelis.com)

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