

Products

Pre-painted rolled aluminium for ceilings

SKY[®]



Novelis



SKY[®] is the brand for pre-painted rolled aluminium sheet specifically designed for ceilings.

Cleaning SKY[®] is quick and easy making it particularly suitable for use in public places and especially those sensitive to hygienic conditions, e.g. Hospitals, restaurants or canteens. Furthermore, Novelis has created Superbright[®] characterised by its bright surface finish and protected by semi or fully transparent paints.

Superbright[®] is the ideal solution for exclusive or unique interior design projects. The lightness of aluminium: its weight is about 30% less than steel or copper allowing fast and easy installation.

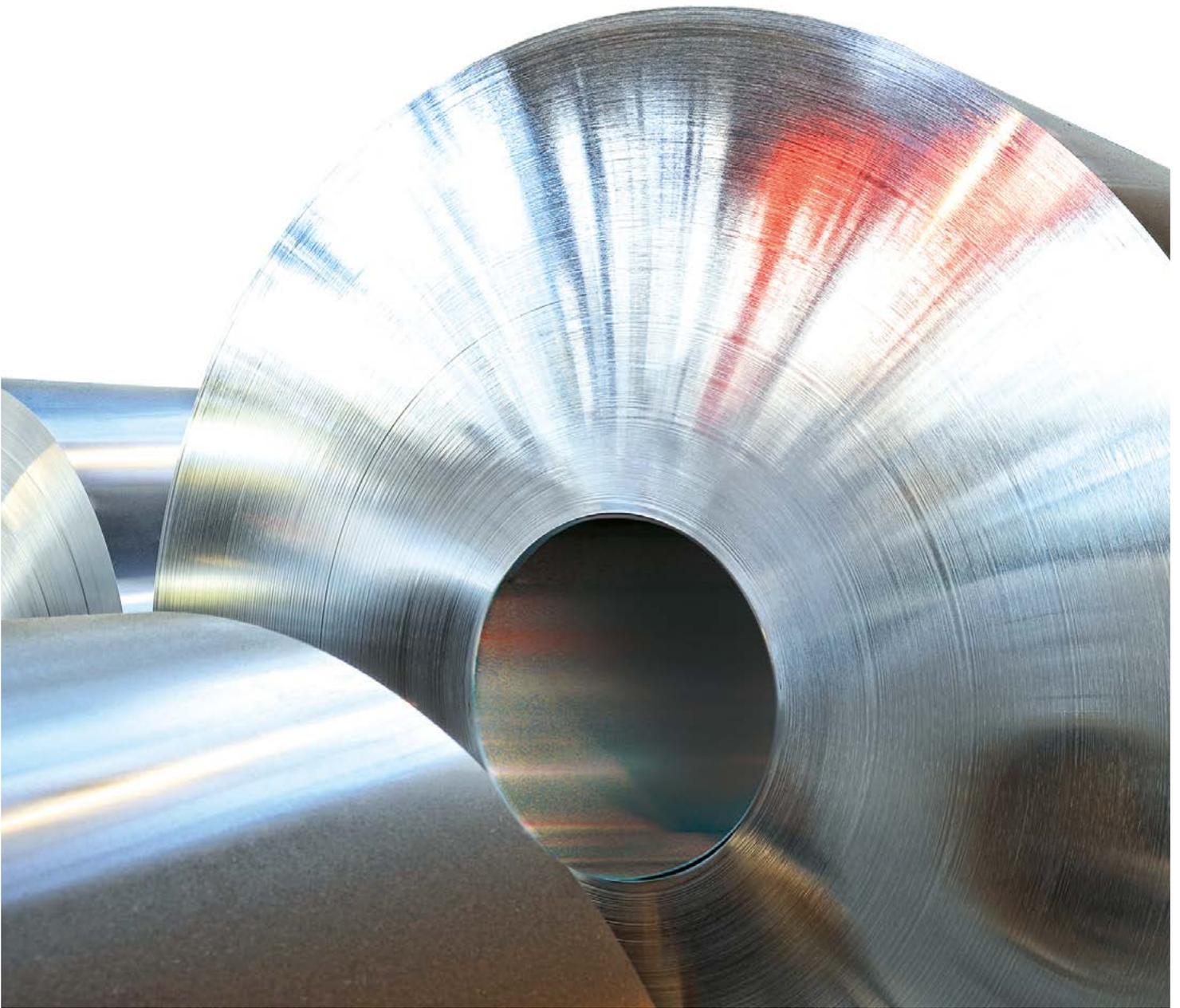


Product description		SKY [®]	Norms	Superbright [®]	Norms
Aluminium alloy	-	UNI-EN AW-3105	UNI-EN 573/3	UNI-EN AW-1050A [Al 99,5]	UNI-EN 573/3
Metal gauge	[mm]	0.30-0.78		0.30-0.40-0.48	
Temper	-	H46	UNI-EN 1396	H48	Internal spec.
Coating top side	-	Polyester	Internal spec.	Polyester	Internal spec.
Backing coat	-	Polyester	Internal spec.	Polyester	Internal spec.
Width and length	[mm]		Internal spec.		Internal spec.

Metal specification

Mechanical properties*					UNI-EN 1396
R _m	[Mpa]	175-225		min 140	
R _{p0.2}	[Mpa]	min 150		min 120	
A ₅₀	[%]	min 2		min 2	
Chemical composition		[AlMg 0.5 Mn 0.5]	UNI-EN 573/3	[AlCu]	UNI-EN 573/3
Tolerances on dimensions		Gauge	UNI-EN 485/4	Gauge	UNI-EN 485/4
		Width and length	UNI-EN 485/4	Width and length	UNI-EN 485/4

*after coating - transverse to rolling direction



Pre-treatment

Degreasing and chromium free treatment on top and reverse side

Organic coating specification

(EN 13523, ECCA and UNI-EN 1396)

			SKY®		Superbright®	
			Top side	Backing coat	Top side	Backing coat
Coating system	Polyester		Polyester	Polyester	Polyester	
Typical coating thickness	EN 13523-1	[µm]	22	4 approx.	18	4 approx.
Pencil hardness	EN 13523-4	KOH-I-NOR	H	not relevant	H	not relevant
Specular gloss to 60°	EN 13523-2	[units]	10 - full gloss	30 - full gloss	full gloss	full gloss
Adhesion 90°/180°		[%]	100	not relevant	100	not relevant
Adhesion on cross hatch and impact		[%]	100	100	100	100
Resistance to cracking on the bending	EN 13523-7			2 T		2.5 T

About Novelis

Novelis Inc. is the global leader in aluminum rolled products and the world's largest recycler of aluminum. Novelis supplies premium aluminum sheet and foil products to transportation, packaging, construction, industrial and consumer electronics markets throughout North America, Europe, Asia and South America. The company is part of the Aditya Birla Group, a multinational conglomerate based in Mumbai, India.

Innovation is one of the fundamental values of our company and being equipped with research laboratories, new products are constantly under development. Taking advantage of the excellent resources and the up-to-date technology, Novelis produces the highest quality of rolled aluminium and sheet products for the automotive, construction and transport sectors, and packaging, industrial, electronic and printing markets.

Novelis Group is an important organization in Italy, with two plants near Milan - Bresso and Pieve Emanuele. Novelis' Bresso plant produces pre-painted rolled products using a wide range of paints and surface finishes. Pieve plant produces aluminium coils and sheets. It is equipped with casters and cold rolling facilities.

Health and Safety Management System:

BSI OHSAS 18001

Environment Management System Certificate:

EN ISO 14001

Quality Management System Certificate:

EN ISO 9001





Weight

The lightness of aluminium, its weight is about 30% of steel and copper allows fast and easy installation.

Aesthetic

Polyester paint allows a wide range of colours; different solutions, such as strips and panels, can be provided.

Colour Range

SKY® is available in a wide range of colours. In addition Novelis is available to match new special colours on demand.

Washable

Aluminium ceilings can be easily washed, assuring the complete removal of dust and bacteria.

Maintenance Costs

Ceilings are produced in modules so that only the damaged parts must be substituted.

Acoustic absorbance

Aluminium can be coupled with different materials in order to obtain an excellent acoustic absorbance.

Corrosion resistance

SKY® has excellent corrosion resistance provided by the paint system and the specific chemical properties of aluminium.

Humidity

Aluminium ceilings do not absorb nor produce humidity, allowing to live, work and study in a healthy environment.

Recycling

Aluminium is 100% recyclable. Recycled aluminium maintains the same mechanical properties as primary aluminium.

Chrome-free

SKY® production process is environmental friendly and uses totally CHROME free pre-treatment and Heavy metal-free coatings.





Not just aluminium, Novelis Aluminium.™

Novelis is the world's largest producer of rolled aluminium 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 aluminium 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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