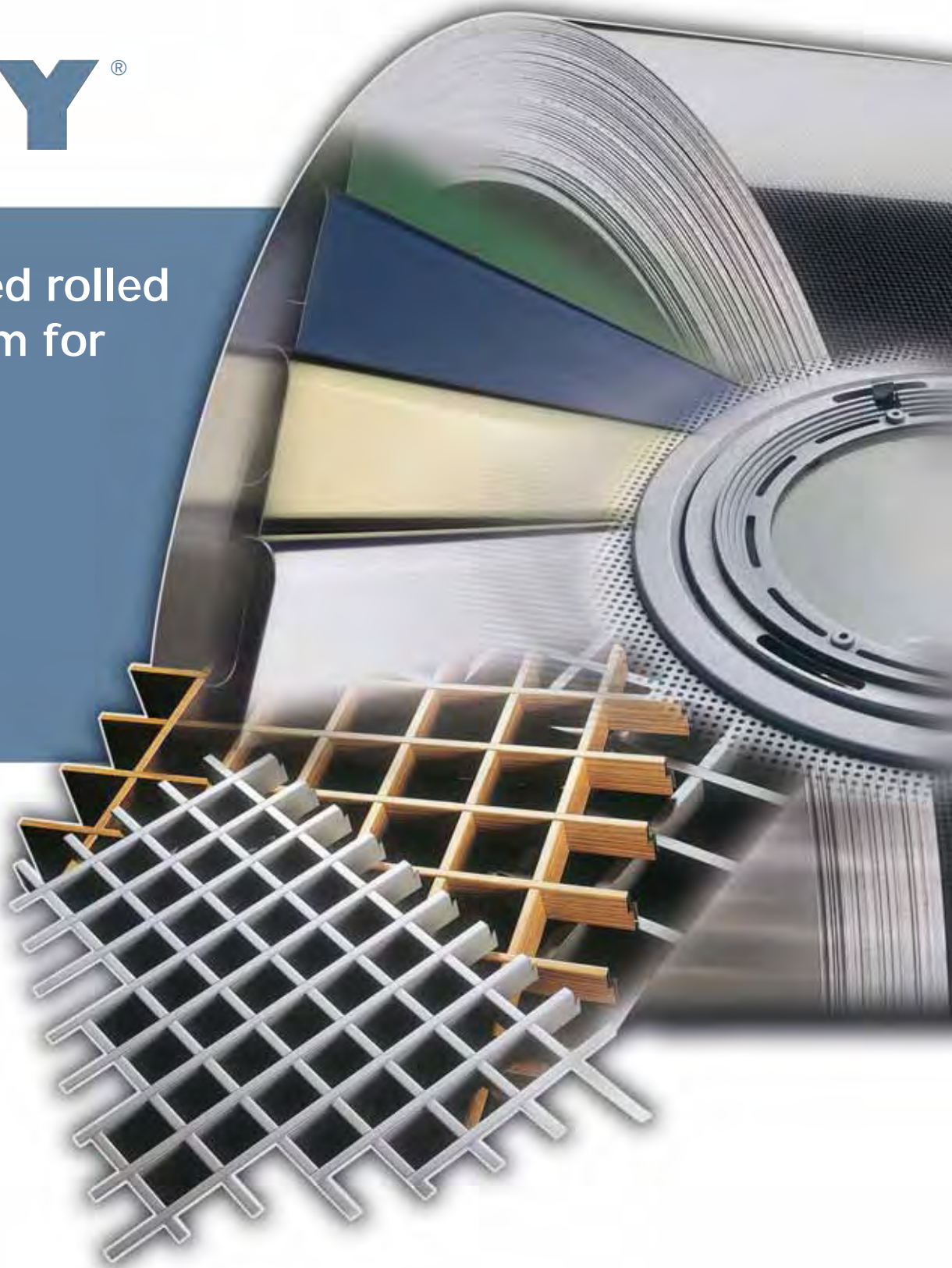
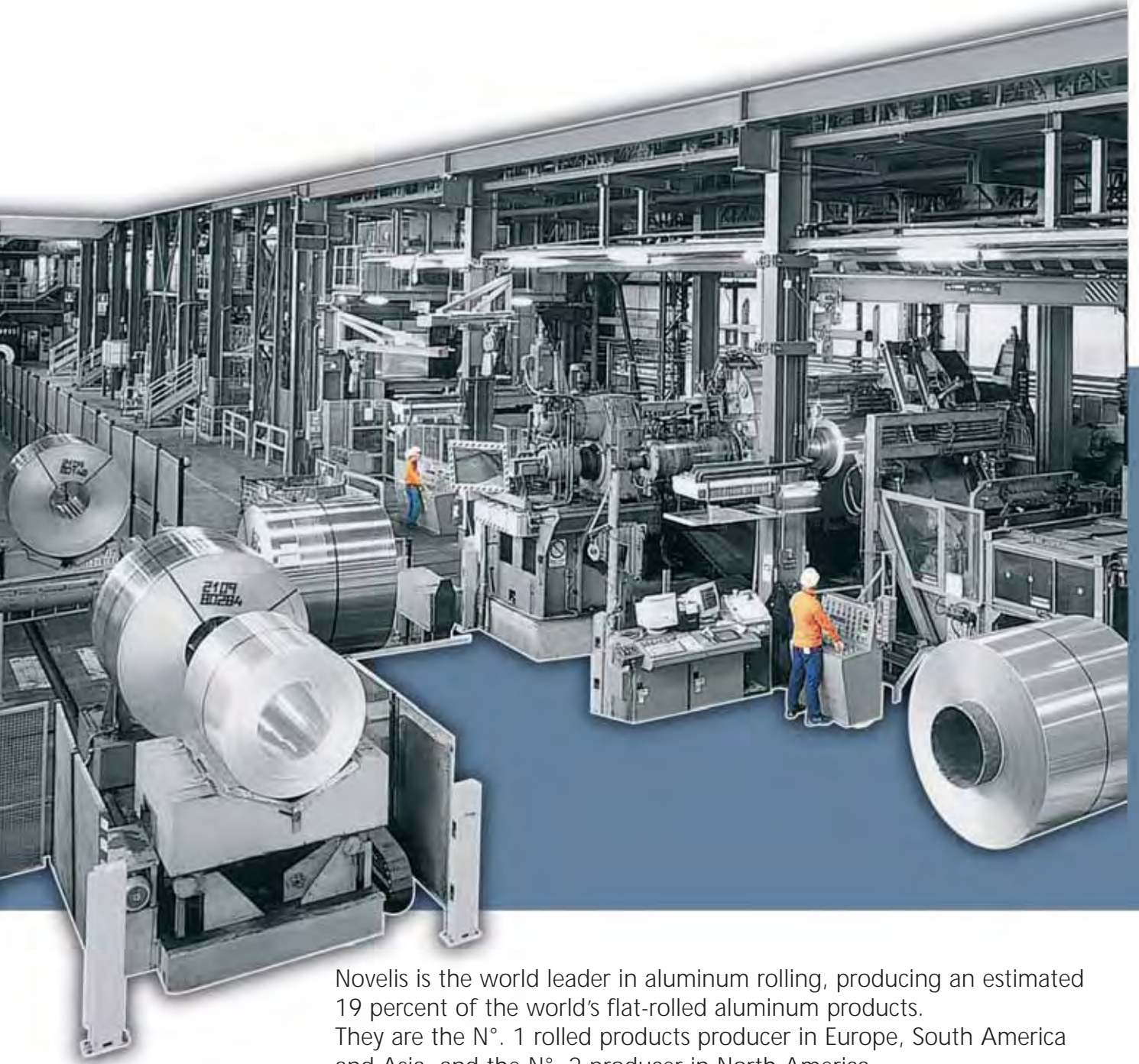


SKY[®]

Prepainted rolled
aluminium for
ceilings





Novelis is the world leader in aluminum rolling, producing an estimated 19 percent of the world's flat-rolled aluminum products.

They are the N°. 1 rolled products producer in Europe, South America and Asia, and the N°. 2 producer in North America.

Novelis is globally positioned, operating in 11 countries with approximately 12,900 employees.

Formed as a Canadian corporation in January 2005, Novelis is a wholly owned subsidiary of Hindalco Industries Limited - Asia's largest integrated producer of aluminium and a leading producer of copper.

Based in Mumbai, India, Hindalco is one of the most cost-efficient aluminium producers globally.

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 coatings.

Technical Sheet - SKY®					
Product Description		Sky®	Norms	Superbright®	Norms
Aluminium alloy:	-	UNI-EN AW-3105	UNI-EN 573/3	UNI-EN AW-1100	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			Norms	Norms	
Mechanical properties after coating - transverse to rolling direction					UNI-EN 1396
Rm:	[MPa]	175 - 225		min 170	
Rp0.2:	[MPa]	min 150		min 150	
A50:	[%]	min 2		min 1.5	
Chemical composition:		[Al Mg 0.5 Mn 0.5]	UNI-EN 573/3	[Al Cu]	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

CERTIFICATES


Health and Safety Management System:
BSI OHSAS 18001; 1999

Environment Management System Certificate:
EN ISO 14001; 2004

Quality Management System Certificate:
EN ISO 9001; 2000



Technical Sheet - SKY®						
Pre-treatment						
Degreasing and chromium free treatment on top and reverse side						
Organic coating specification (ECCA and UNI-EN 1396)			Sky®		Superbright®	
			Top side	Backing coat	Top side	Backing coat
Coating system:	Polyester		Polyester	Polyester	Polyester	
Typical coating thickness:	ECCA T1	[µm]	22	4 approx.	18	4 approx.
Pencil hardness:	ECCA T4	KOH-I-NOR	H	not relevant	H	not relevant
Specular gloss to 60°:	ECCA T2	[units]	10 - full gloss	30 - full gloss	full gloss	full gloss
Adhesion 90°/180°:		[%]	100	not relevant	100	not relevant
Adhesion on cross hatch + impact:		[%]	100	100	100	100
M.E.K. / Solvent rubbing test:	ECCA T11	double rubs	150	> 50	150	> 50
Resist. to cracking on the bending:	ECCA T7			2 T		2.5 T



Novelis Group is an important entity in Italy, too. There are two plants near Milan - Bresso and Pieve Emanuele. Novelis' Bresso plant produces prepainted rolled products using a range of paints and surface finishes. Pieve plant produces aluminium coil and sheet. It is equipped with casters and cold rolling facilities. Novelis is present throughout the whole Italian market thanks to its four sales centres in Verona, Bologna, Florence and Rome.

Sky® is the brand for prepainted rolled aluminium sheet specifically designed for ceilings. Cleaning Sky® is easy and quick; this peculiarity makes it suitable to be used in public places particularly sensitive to hygienic conditions, like hospitals or canteens. Moreover Novelis has created Superbright®, rolled aluminium characterized by a bright finish surface and protected by transparent or semi-transparent paints. Superbright® is the ideal solution to make exclusive and unique every interior design project.



G & C Bg - Printed in Italy - EF - 15/01/2008

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