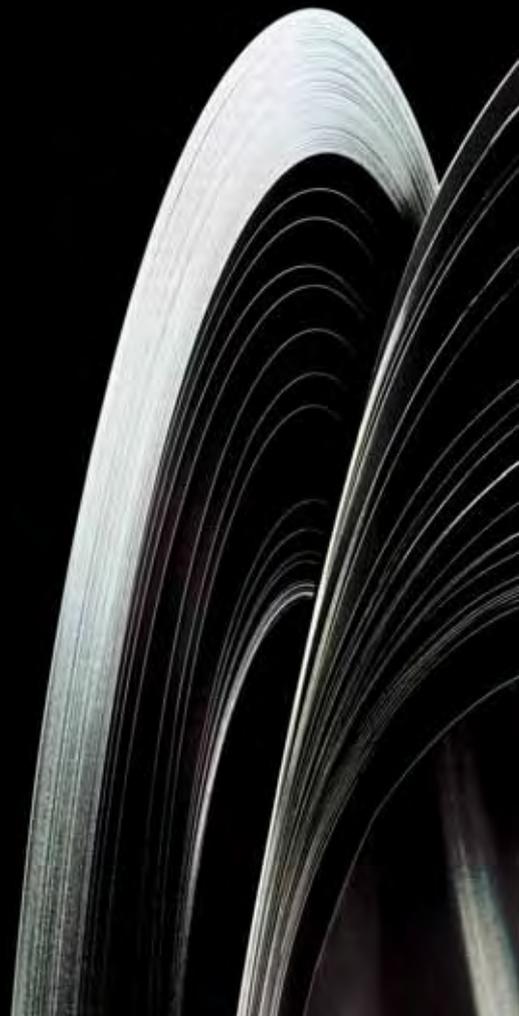


**ExinAll**



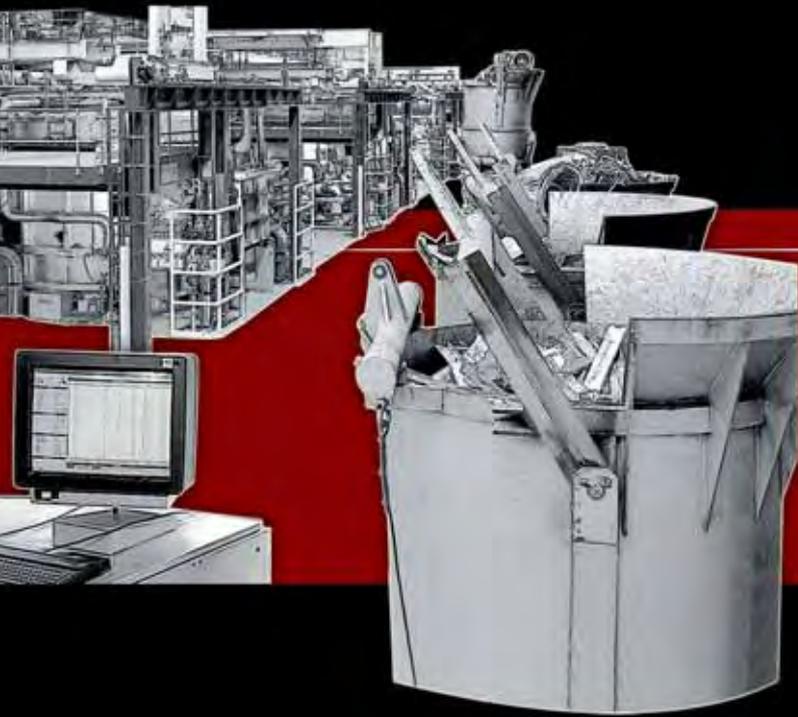
# Novelis

Novelis is the world leader in aluminium rolling and recycling, producing an estimated 19 percent of the world's flat-rolled aluminium products. We are the No. 1 rolled products producer in Europe, South America and Asia, and the No. 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.



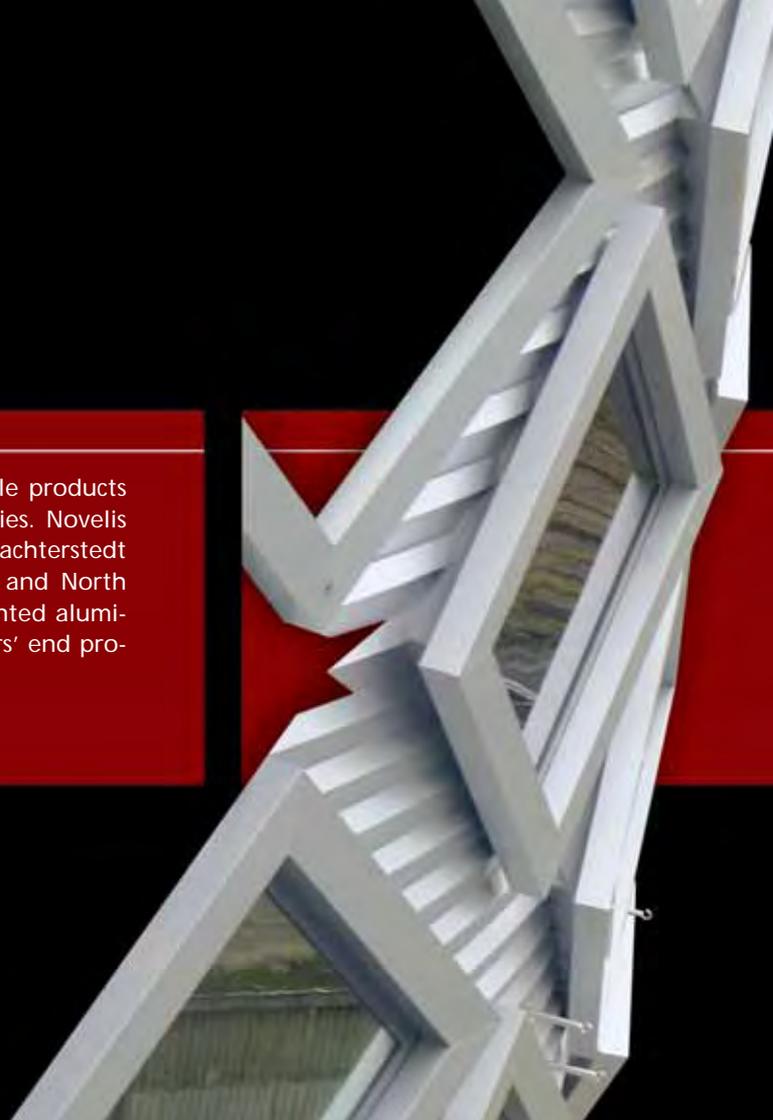
# ExinAll

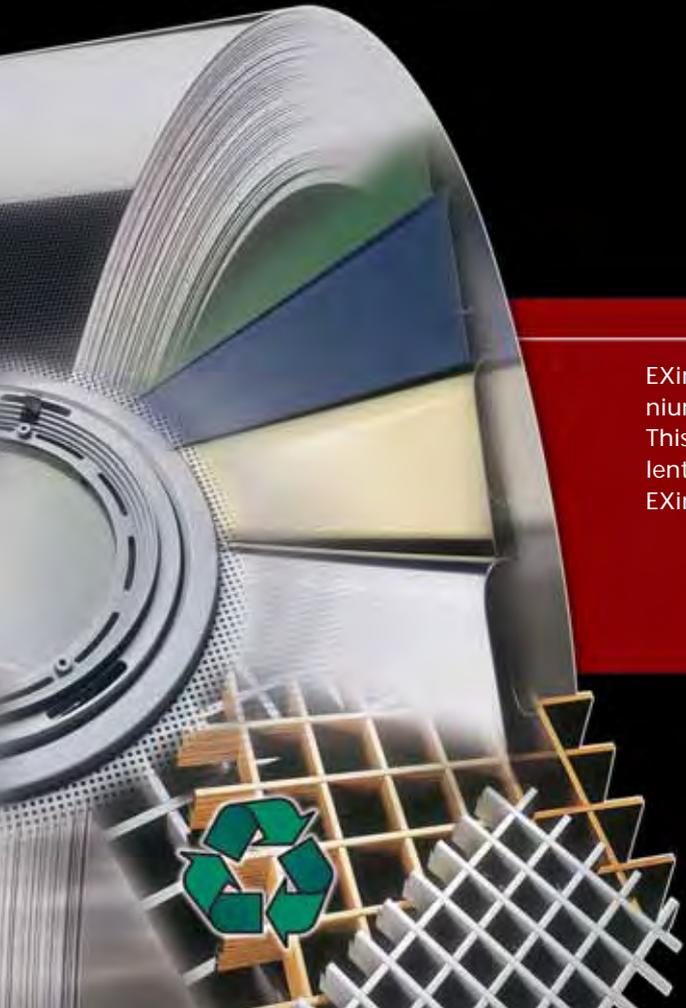


# Novelis Europe

Novelis is the European leader in the production of pre-painted aluminium rolled products. We have more than 40 years' experience in the Coil Coating process and un-rivalled knowledge of technology, manufacturing and processing requirements. Our products are constantly being enhanced with the help of our innovative research laboratories.

Novelis stands for excellent quality, with consistently reproducible products manufactured in our network of world-class Coil Coating facilities. Novelis Painted has three manufacturing plants. in Goettingen and Nachterstedt (Germany) and Bresso (Italy); and Sales Offices in Europe, Asia and North America. In terms of alloy and surface treatment, Novelis prepainted aluminium is designed to meet fully the requirements of our customers' end products.



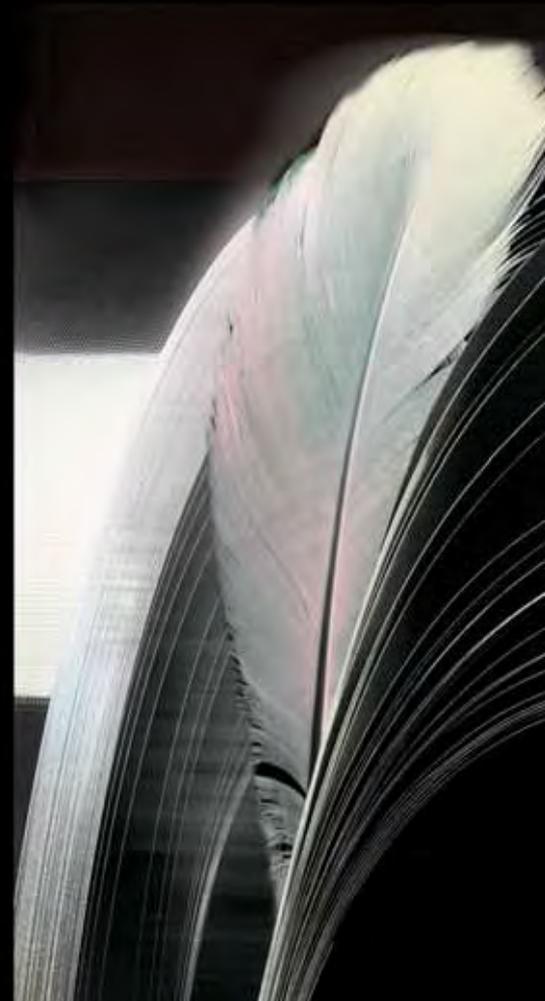


# EXinALL™

EXinALL™ is a Novelis innovation, which couples the characteristics of aluminium with a unique appearance, at one third of the weight of stainless steel. This product has been created to meet designers' needs for lightness, excellent durability and workability. Moreover it is 100% recyclable. EXinALL™: the new surface finish which enhances the value of aluminium.

# Lightweight / Strength

With its excellent ratio of lightweight to mechanical resistance, EXinALL™ offers designers a material featuring optimum strength. Moreover it is quickly and easily transported and installed.





# Corrosion resistance

Aluminium is extremely resistant to any kind of corrosion. Paints strengthen this fundamental property, creating a further barrier against any aggressive agent. EXInALL™ is suitable for outside use, including critical environments.

# Fire Rating

Novelis prepainted aluminium products meet the highest safety standards and have been certified as class A1, the best fire rating under EN 13501. In case of fire, EXInALL™ does not produce any smoke.





## U.V. resistance / Uniform finish

EXinALL™ is produced using paints with high U.V. resistance. This means that colours remain fresh and unfaded for years, making EXinALL™ perfect for outside applications.

One of the advantages of Coil Coating technology is the uniform finish achieved. Each production batch has the same aesthetic appearance, which, in turn, means a consistent end product for users.

# Cleanliness / Metallic appearance

The prepainted finish does more than just enhance the corrosion resistance of EXinALL™: it also protects it from stains and fingerprints. EXinALL™ is extremely easy to clean and suitable for any environment in which hygiene is a fundamental requirement.

Even though EXinALL™ is prepainted, it keeps the beauty of metal in all its patterns. Stainless Steel appearance with all the advantages of aluminium.



A close-up photograph of a tiger's fur, showing the characteristic orange and black stripes. The stripes are curved and run diagonally across the frame. The background is dark, making the fur's texture and colors stand out.

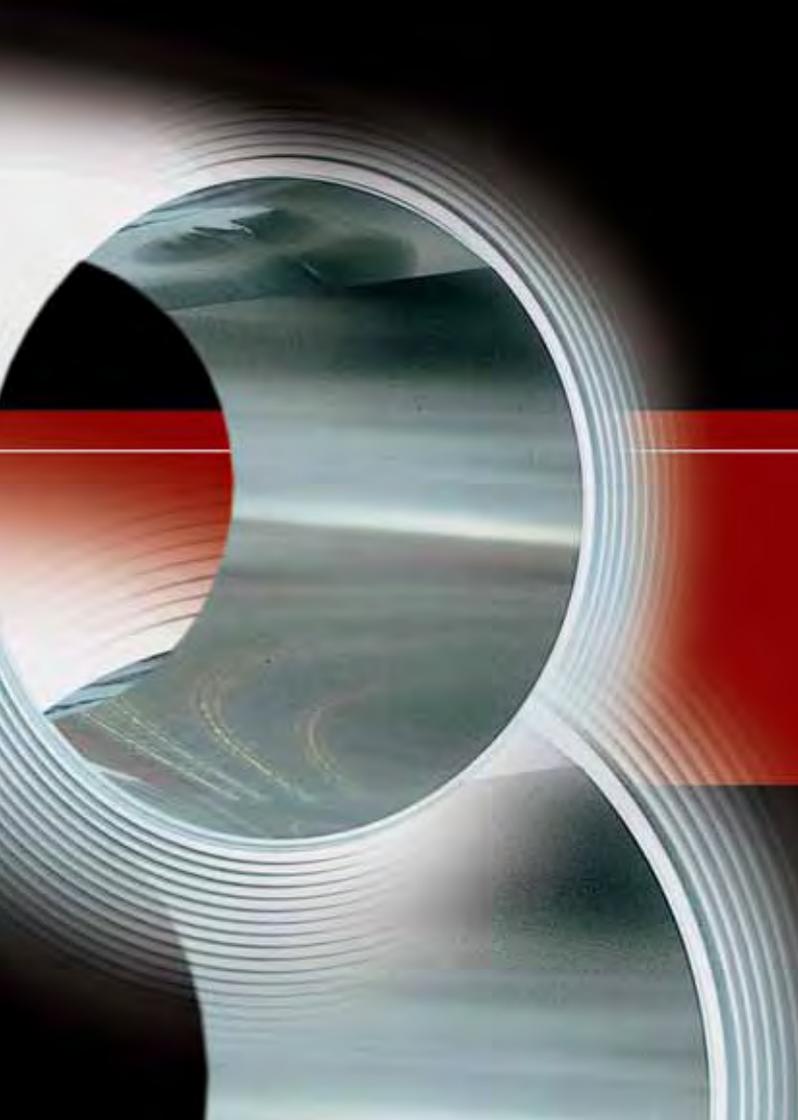
## Abrasion and scratch resistance

The use of a specifically designed paint means that EXinALL™ has excellent abrasion and scratch resistance. This feature also makes the material ideal for interior design applications, where durable good looks are a fundamental requirement.

# Workability / Bending properties

EXinALL™ is easy to work: drilling, milling and cutting are only some of the standard working processes that can be used. The combination of the paint system and the aluminium alloy has been specially designed to make it extremely suitable for bending, ensuring excellent aesthetic results.





# Prepainted brushed

## Novelis Aluminium with Stainless Steel Appearance

Colour code	AC 8806/26
Surface Finish	Transparent
Paint Type	Polyester
Application	Internal
Standard Coating Thickness [ $\mu\text{m}$ ]	8
Gloss 60°	> 80
Pencil Hardness	F
Organic Coating Flexibility	good
Standard Substrate Alloy	AA 3005
UV resistant	good

Note EXinALL™ gauge: min 0.3 mm - max 2 mm

The aluminium substrate of EXinALL is mechanically brushed. After this operation the product is protected with a transparent paint. Different paint systems suitable for inside and outside applications are available. A tailored solution to fulfil any customer need.

AC 0308/31 - AC 8706/31

Transparent smooth

PUR/PA

Internal/External

20

60

H

Very good

AA 3005

good

AC 0307/30

Transparent textured

PUR/PA

Internal/External

20

30

H

Very good

AA 3005

good

AC 0363/37

Transparent

PVdF

External

22

30

F

Excellent

AA 3005

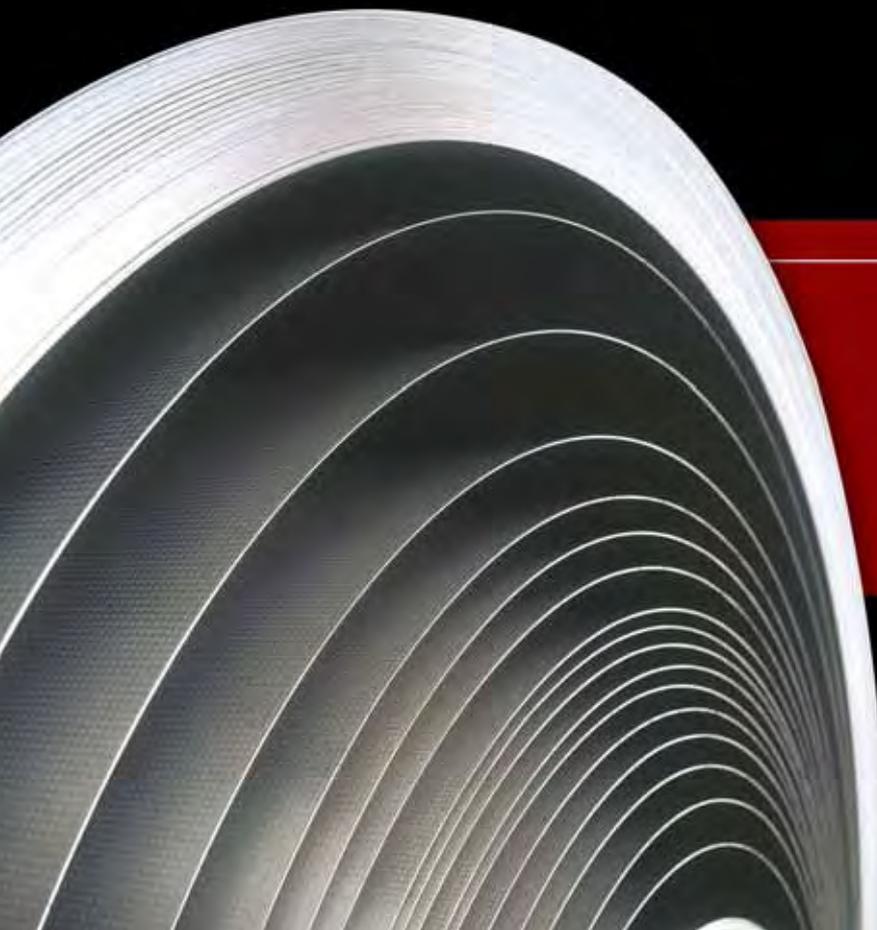
Excellent

**Also available in:**

10 gloss - AC 0163/37

70 gloss - AC 0763/37





# Prepainted

## Novelis Aluminium with Stainless Steel Appearance

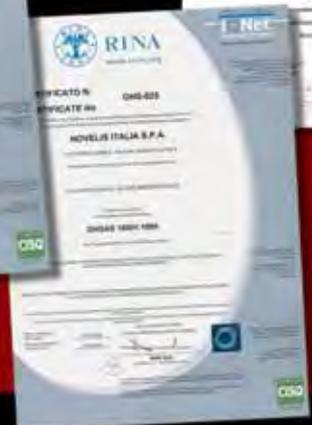
Colour-N°	3905-20
Colour-Name	Stainless style 2 bright
Paint Type	PUR/PA
Application	Internal
Gloss 60°	15-25
Pencil Hardness	F-H
T-Bend	0.5T
UV-B	>1000h
Standard Alloys	AA 5006 - AA 3005
Remarks	Scratch Resistant - Taber Tested

Note EXinALL™ gauge: min 0.25 mm - max 2 mm

Through a unique painting technique, Novelis succeeded in matching the excellent aluminium performances with the stainless steel appearance. Prepainted EXinALL perfectly fits outdoor applications where UV and corrosion resistance are required.

3903-30	3904-60	29E2-40
Stainless style 2	Stainless style bright	Stainless bright
PUR/PA	PVdF-12	PVdF-12
Internal	External	External
15-25	52-67	30-40
F-H	F-H	F-H
0.5T	2T	2T
>1000h	>1000h	>1000h
AA 5006 - AA 3005	AA 5754 - AA 3005	AA 5754 - AA 3005
Scratch Resistant - Taber Tested	High Chemical Resistant	High Chemical Resistant

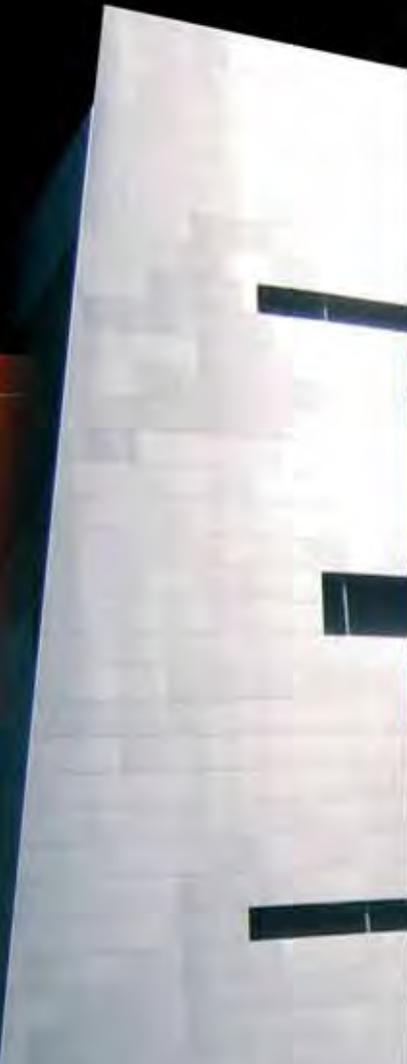




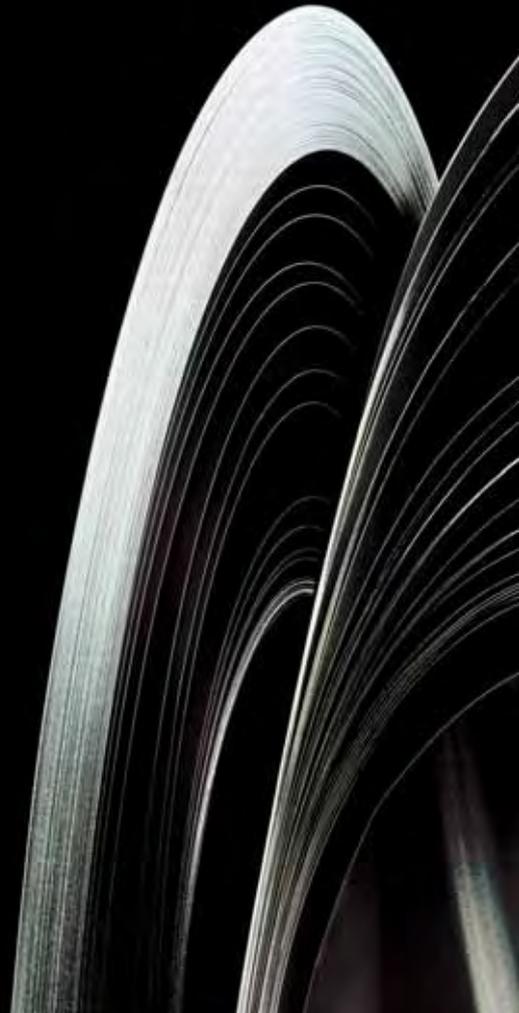
# Novelis Ecologic Certification

Sustainability is one of the strongest Novelis values.

Our commitment, as a socially responsible company, means that we want to meet the Market Demand in an ecological and social way. Demonstrated commitment to environmental protection and safety increases the competitive level of our operations, our customers and it also lays the foundations for a successful future.



The picture utilized in the brochure are from Novelis archive. Novelis maintains the right to update and modify the contents of this product description at any time.





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