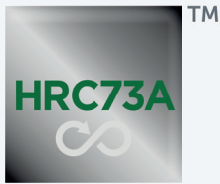




bandoxalpro®

HRC73A™





HRC73A™*

The first highly sustainable pre-anodized aluminium surface for architecture in the world with a recycled content of more than 90%

HRC73A™, born from the collaboration between Novelis and Almemo, combines an alloy comprised of 90% recycled content and the innovative Almemo “zero waste” anodizing treatment, a sophisticated purification system that allows the total reuse of process water, reducing consumption by 90% compared to traditional processes.

PRODUCT CHARACTERISTICS

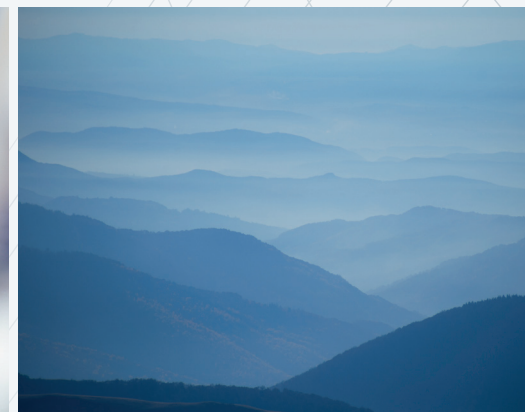
- AlMg1 (EN-AW 5005) quality with decorative anodizing surface & with very good bending properties
- Recycled content >90% (pre- and post-consumer scrap, recycled content refers to the ingot)
- Low carbon pre-anodized aluminium surface for architectural applications
- Non-combustible according to DIN 4102 respectively 96/603/EC, classification into the best fire protection class A1 (non-combustible in non-dispersed form)
- Highly recyclable

ANODIZING PROCESS CHARACTERISTICS

Latest technology treatment developed by Almemo for a sustainable product value chain

- Environmentally friendly and sustainable anodizing process
- Reduced carbon emissions and energy waste due to advanced energy management
- Highly sophisticated water cleaning system, zero waste (zero liquid discharge) system
- 90 % less fresh water consumption (compared to conventional anodizing lines)
- Certification ISO 14001

*HRC73A™ is a trademark of Novelis Services Ltd



PHYSICAL PROPERTIES

Modulus of elasticity	Density	Thermal expansion coefficient	Electrical conductivity
approx. 70,000 MPa	approx. 2.7 t/m ³	0.0236 mm/Kelvin/m	23 to 31 * 10 ⁶ S/m

MECHANICAL PROPERTIES

Gauge [mm]	Width [mm]	Temper	Tensile strength Rm	Yield point Rp 0.2	Elongation A50
1.0 – 1.5	1000-1500	H14	145-185 MPa	≥120 MPa	≥ 2
2.0 – 2.5	1000-1500	H14	145-185 MPa	≥120 MPa	≥ 3
3.0	1000-1500	H12	125-165 MPa	≥95 MPa	≥ 5

Strength values according to EN 485-2

Dimensional tolerances for thickness, width, length, flatness and squareness according to DIN EN 485-4.

SURFACE

HRC73A™ provides brilliant metallic gloss and high durability, combined with a surface treatment process, stay unaltered over time.

- Decorative anodized surface with typical layer-thickness between 10-20 µm
- Decorative surface is warranted for the upper side according to EN ISO 7599
- Printed protective film (rolling direction = in the direction of the arrow)
- Surface is evaluated for freedom from defects after the anodizing process according to DIN 17611 and EN ISO 7599

- Recycled aluminium require 95% less energy and is perfect for high quality and decorative architectural applications.
- Recycled content of more than 90% (pre- & post-consumer scrap recycled content refers to the ingot).
- Recycled content alloy reduces embedded CO₂ by around 80% or more (compared to product made totally with primary aluminium).**



MAIN ADVANTAGES



Highly recyclable



Energy saving



Reduced CO₂ emissions



Large format



Lightweight



Easy handling



Easy maintenance



Building beautification



Aesthetics

CERTIFICATIONS



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