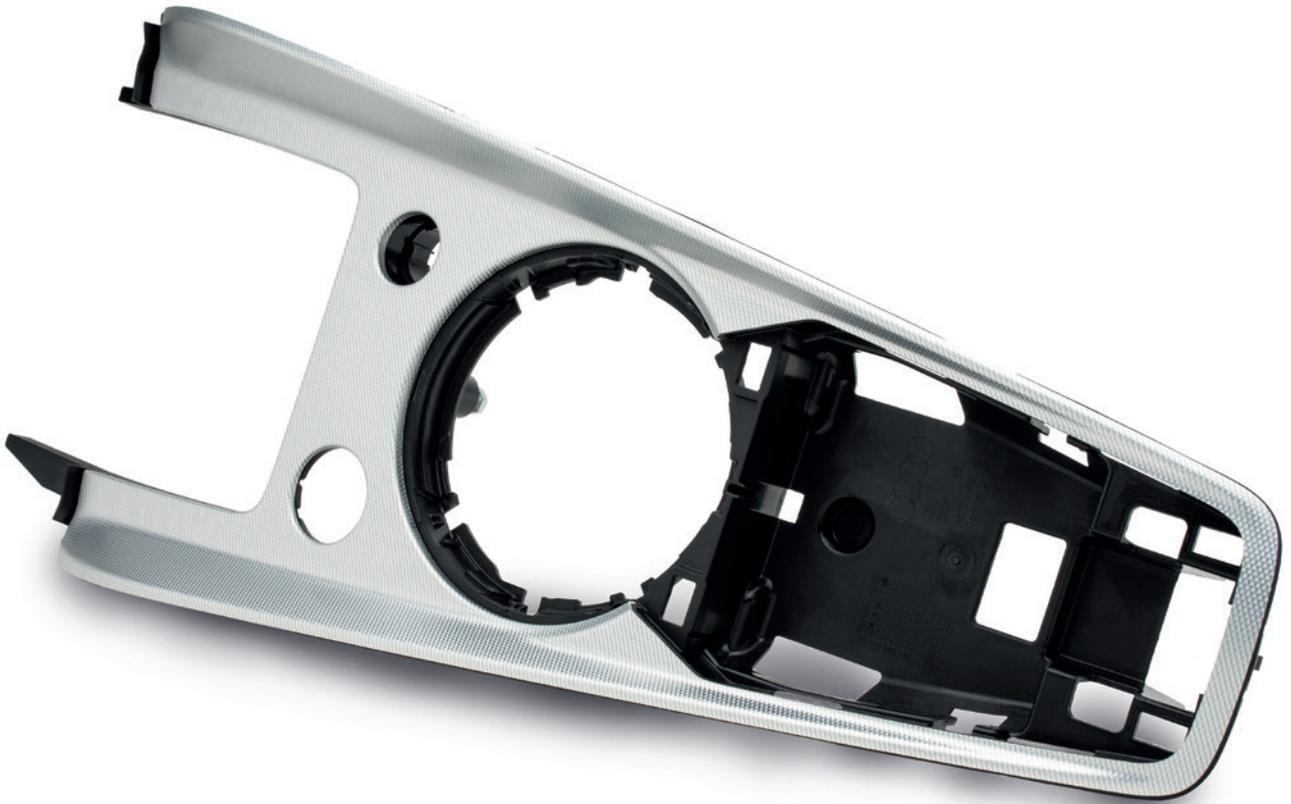


Technical superiority for innovative decorations

ALUMINIUM ROLLED PRODUCTS | AUTOMOTIVE DECORATIONS

The need for more futuristic, elegant and customizable designs is driven by electrification and digitalization. At the same time the sustainability performance of materials plays an increasingly important role in decision-making for customers and end-users. Constellium's comprehensive offering and unrivaled expertise give you a solid foundation to meet your and your customer's goals and needs.



“ In scratch resistance, for example, we were stuck. But then Constellium came up with a magnificent idea that we could use. They provide us with innovations and are genuinely interested.

Major automotive decorations customer

- Delight your customers with impressive designs and innovative finishes
- Maximize productivity and minimize the environmental footprint
- Let our expertise free your expertise



Delight your customers with impressive designs and innovative finishes

- To achieve superior aesthetic appeal and performance (e.g. scratch performance) we offer a vast selection of properties, finishes and functionalities.
- Due to our unique and dedicated manufacturing process for automotive decorative products, we can deliver best-in-class formability and increased elongation.
- Our products adapt to various transformation processes and enable you to address highly demanding applications delighting your customers' brand design teams.

Maximize productivity and minimize the environmental footprint

- Our state-of-the-art equipment, quality controls and vast operational experience translate to unrivaled consistency and top-quality materials which enable stable production.
- We provide myriad possibilities for automotive decorative applications to take advantage of endlessly recyclable aluminium.

Let our expertise free your expertise

- Our growth mindset, flexibility, customer centricity and highly competent and diverse team of talent enable you to focus on achieving your individual and business objectives.

Constellium capabilities

Constellium semi-finished coils/sheets specifications¹⁾

| Alloy | Temper range (EN-541) ²⁾ | Constellium Surface no. | Surface | Qualities ³⁾ | Deep drawing (Optimized) |
|------------------------|-------------------------------------|-------------------------|---------|-------------------------|--------------------------|
| 1xxx | H1X | 200 | Mirror | ES | |
| 1xxx, 5xxx, 8xxx | 0, H1X - H2X | 310, 430 | Bright | ES, EN, EI, EG, ED | ✓ |
| 1xxx, 3xxx, 5xxx, 8xxx | 0, H1X - H2X | 615, 631 | Mat | ES, EN, EI, EB | ✓ |
| 1xxx, 3xxx, 8xxx | 0, H1X | 815, 824, 827 | Butler | EN, EI | |

EB Anodizing quality for decorative etching, e.g. high-quality signs.

ED Anodizing quality with intermediate etching, e.g. decorative signs and nameplates.

EI Anodizing quality for decorative anodizing, without chemical surface treatment.

EN Lacquering quality—suitable especially for transparent lacquering.

EG Anodizing quality for chemical or electro-chemical brightening with low earing, e.g. cosmetic applications.

ES Anodizing quality for chemical or electro-chemical brightening, e.g. cosmetic trim parts (automotive).

¹⁾ Internal specifications for alloy and surface definitions on request.

²⁾ Other temper conditions on request.

³⁾ For more detail please ask your commercial or technical contact.

TECHNICAL SERVICES

Shaping the future of sustainable mobility

We provide you with more than just aluminium. We offer you the expertise and know-how to deliver solutions to support the future of your business, delivering unique value.

Our services include design and feasibility studies, laboratory services, new product development, Life Cycle Analysis, problem-solving and on-site support.



CONTACT US



Read more about our
offering and innovations:



Email
info.functional-surfaces@constellium.com

www.constellium.com

