

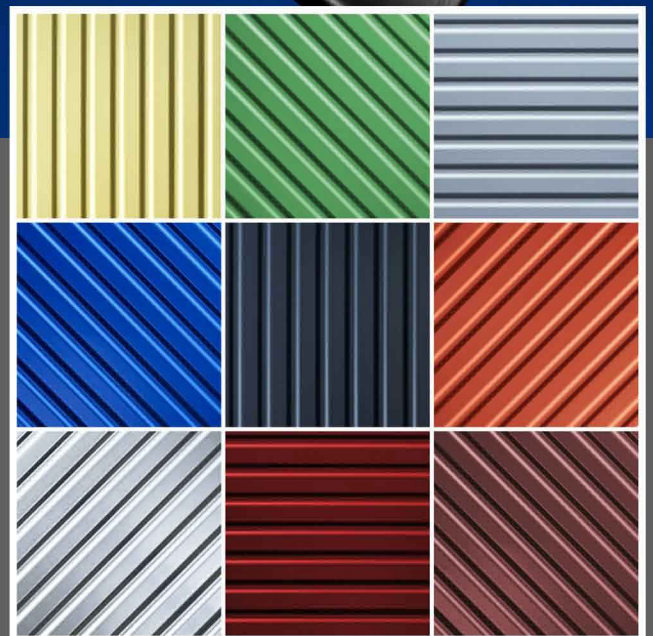
# Eloxal *Individual*

## Colour it your way.



### Colour range of Eloxal Individual:

- Numerous colour variations and specialty colours, including transparent and black
- Even unsaturated colours or colour mixtures are possible, e.g. red-blue mixtures
- Highly decorative surfaces ranging from matt to glossy; defined gloss levels possible
- Reproducible colouring, optics, and haptics
- Wear- and scratch-resistant aluminum layer with hardness between 250 and 500 HV
- Good adhesive strength; depending on the colour also UV-resistant
- Non-toxic
- Very high temperature stability and high electrical insulation properties
- For hybrid base materials such as metal-synthetic combinations (anodising of parts possible after back injection moulding)



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# Eloxal *Individual* - at a glance

Through a specialization of the eloxal treatment with individual colouring, Holzapfel Group is able to create a wide range of colours on eloxal surfaces. This treatment is especially interesting for clients whose products need to have reproducible colouring, optics, and surface feel, as is often the case with design-oriented consumer products, vehicle interior parts, or multiple visible parts who are put together to achieve one even-looking surface.

During the *Eloxal Individual* process, a special system keeps the colour content within very tightly defined limits and thus ensures an evenly distributed colour. In addition to defined

gloss levels, nearly all colours in the spectrum are producible, even unsaturated colours and colour mixtures.

Hybrid base materials such as metal-synthetic combinations can also profit from this process on a visual level, since the parts can be anodized after back injection moulding is already done. Through this process, the pure metal surface with its characteristic metal look and feel is maintained and appears as solid matter to the end consumer. Consequently, the metallic “cool touch” effect is achieved, while the part boasts all the benefits of an effective light-weight build.

## Your Holzapfel added-value:

**We promise possibilities:** Thanks to *Eloxal Individual* countless colour variations are possible – even transparent and black or unsaturated colours and colour mixtures, such as red-blue mixtures.

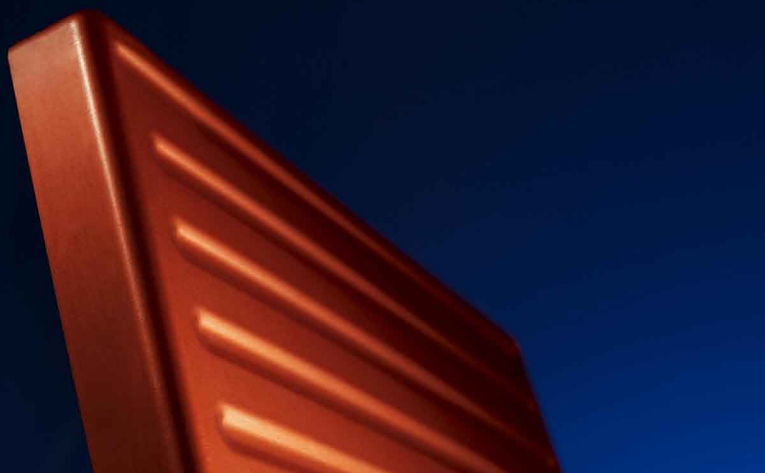
**We promise reliability:** Because of our tight process parameters during the colouring process as well as the extremely evenly applied layer thickness, we can generate reproducible colouring, optics, and haptics.

**We promise quality:** Our sophisticated handling and specially-developed colour-testing system ensure you receive damage- and distortion-free parts.

**We promise efficiency:** We base our production technology on the value stream and have made it very efficient thanks to a special rack technology.

## Areas of utilization:

- Automotive (interior)
- Consumer (household appliances, designer and luxury items)
- Bicycles
- Electronics
- Optics, microscopes, dimension measurement, photoelectric relay
- Jewelry & glass industry, laser technology



Holzapfel Group: Holzapfel + DEKOTEC + Herborner Metallveredelung (HMV) + Holzapfel Coating Westerburg (HCW)  
oberflaechenspezialist@holzapfel-group.com | www.holzapfel-group.com | Phone +49 (0)2772—50080 | Fax +49 (0)2772-500855



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