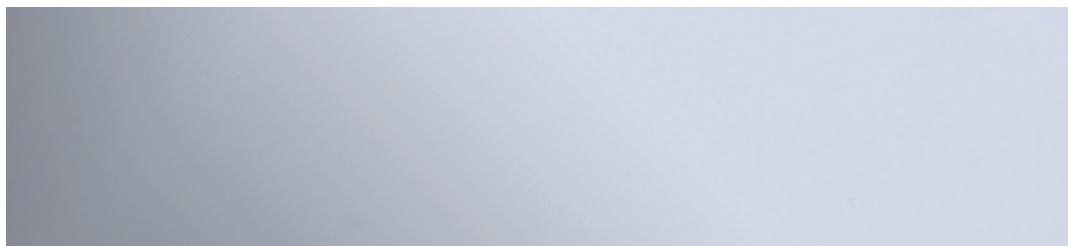


The bright finish



Description

- > Uginox Bright is a surface finish characterised by a particularly bright and uniform surface with low roughness which enables the accomplishment of striking, aesthetic projects.
- > This level of brightness and uniformity are obtained with a final annealing process specially developed for applications such as the building envelope.
- > This finish is available in austenitic grades 304/304L (1.4301/1.4307) and 316L (1.4404). Consult us for Uginox Bright in K36 (1.4526).
- > We propose thicknesses between 0.4 mm and 2 mm and widths up to 1250 mm. (consult us for widths of 1500 mm).

Key strengths

- > Especially uniform and brilliant surface.
- > Reflects the environment.
- > Flat surface that allows you to play with light and shapes.
- > Low surface roughness favouring self-cleanability.
- > Good corrosion resistance strengthened by low surface roughness.
- > Recyclability.

Applications

- > **Roofing:** standing seam, batten roll, self-supporting.
- > **Facade :** cassettes, panels, composite.
- > **Cladding :** profilés.
- > Walls, ceilings.
- > Interior.

Examples of achievements



Centre de formation des apprentis hôteliers,
Metz - France
Architect: Bernard Ropa
© Luc Boegly



Balancing Barn, Suffolk - United Kingdom
Architect : MVRDV
Client: Living architecture
© Aperam

made for life



UGINOX

Bright

Grade Selector depending on atmospheric conditions

The choice of stainless steel grade for a roofing application must take into account the environment in which the material will be used.

| Commercial designations | | Internal environment | | External environment | | | | | |
|-------------------------|------|--|---------------|----------------------|----------------------|------------|-------------|------------|------------------|
| | | Inert, all levels of relative humidity | Corrosive (1) | Unpolluted rural | Urban and industrial | | Marine | | |
| | | | | | Normal | Severe (1) | 20 to 10 km | 10 to 3 km | Coastal (< 3 km) |
| Austénitics | 304 | √ | Δ | √ | √ | Δ | √ | X | X |
| | 316L | √ | Δ | √ | √ | Δ | √ | Δ | Δ |
| Ferritics | K36 | √ | Δ | √ | √ | Δ | √ | X | X |

√: Type suited to the environment Δ: Type whose selection will be determined after consulting us X: Type not suited to the environment
 (1) In particular, any environment or atmosphere containing corrosive substances or halogens: chlorides, fluorides, etc.

Our dimensional range

- > Thickness range: 0.4mm - 2 mm.
- > Maximum width: 1250 mm -1500 mm: consult us.
- > Available in coils, slit coils and sheets.

Our recommendations

- > We recommend using a UV resistant coating to protect the surface during transport, storage and subsequent transforming operations.
- > The choice of coating is based on the requirements.
Do not hesitate to contact us for specific requests.
- > After taking off the film (imperatively within the 6 months which follow the application of the coating), simple cleaning with soapy water is sufficient. In the case of dirt (plaster, cement, glue...) cleaning must be done with appropriate products.
- > Maintenance of the surface will be done using soapy water avoiding metallic pads.
This operation is followed by abundant rinsing with water.
- > The use of solutions containing halides (chlorides, fluorides, etc.) is prohibited.
- > It is recommended to use dedicated tools to avoid any risk of contamination of the metal surface.
It is also advisable to avoid working other metals near to Uginox Bright, in order to avoid the risk of contamination.

Construction products manufactured in all Aperam plants and service centres comply with the CE standard.

Mechanical properties of stainless steel grades comply with the industry norms EN 10088-2, EN 10088-4 and ASTM A 240.

If you wish to find out more about our grades, please consult our technical data sheets on-line.