

The dull finish



Description

- > UGINOX Mat is a dull with a uniform and low surface roughness, which enables the accomplishment of elegant, aesthetic projects. This surface finish perfectly lends itself to the building market at all levels from facade to roofing and external applications including street furniture.
- > UGINOX Mat is available in different grades: both austenitic grades 304/304L (1.4301/1.4307) and 316L (1.4404), and on duplex grades DX2205 (1.4462) and DX2304 (1.4362).
- > We propose thicknesses from 0.4 mm up to 2 mm on austenitic grades. (please consult us for UGINOX Mat on duplex).

Key strengths

- > Uniform and dull surface.
- > Low roughness - self-cleaning.
- > Good resistance to corrosion reinforced by the low surface roughness.
- > Recyclability.

Applications

- > **Roofing:** standing seam roofs, batten roll roofs and self-supporting roofs.
- > **Facade:** cassettes, panels, composite, shingles.
- > **Cladding:** profiles.
- > Walls, ceilings.
- > Interior.
- > Street furniture.
- > **Accessories:** gutters.

Example of achievement



Professional training centre SSIC, Gordola - Switzerland Durisch Nollli Architetti Sagl, BSA/SIA/ETH © Aperam
Executed using grade 304 with UGINOX Mat finish

made for life



UGINOX

Mat

Grade selector depending on atmospheric exposure

The choice of stainless steel grade for a building 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	Costal (< 3 km)
Austénitics	304	√	Δ	√	√	Δ	√	X	X
	316L	√	Δ	√	√	Δ	√	Δ	Δ
Duplex	DX2205	√	√	√	√	√	√	√	√
	DX2304	√	Δ	√	√	Δ	√	√	Δ

√ : 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: 0.4 mm - 2 mm for 304/304L (1.4301/1.4307) and 316L (1.4404) - Duplex: consult us.
- > Maximum width: 1500 mm - 2000 mm: consult us.
- > Available in coils, slit coils and sheets.

Our recommendations

- > We recommend the use of an UV resistant- coating to protect the surface during transport, storage and subsequent transforming operations.
- > The choice of coating is based on the requirements. Don't hesitate to consult 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 can 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 ...) 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 Mat, 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 et ASTM A 240.

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