

J57S UP[®] the new anodising

quality from Novelis

& thyssenkrupp



What is new?

The chemical composition of J57S UP[®] and the process parameters in the Novelis mill are particularly tuned to using a deoxidation process - in order to remove acid sulphur, hydrogen peroxide or nitric more easily. It also prevents streaking and other effects, which are caused by an incomplete pickling on the surface.

The new generation J57S UP[®] is the ideal material for anodisers; the ease of handling through their process and delivering an optimal surface result. The consistent colour and gloss consistency exceeds the high quality of the predecessor product J57S[®].

J57S UP[®] can be batch-anodised after fabrication, such as bending, cutting, drilling, etc. The brilliant metallic appearance of the surface differentiates it from commercial quality and the new J57S UP[®] alloy.

Impressive building references worldwide demonstrate the diversity of the possibilities, the preceding generation of J57S[®] provided for interior or exterior architecture.

Performance of the new anodising quality:

- ➔ Excellent bending properties, even with small internal radii (min. 1 x material thickness at 90°)
- ➔ Availability at short notice
- ➔ Brilliant metallic anodised surface
- ➔ Fine grained, homogeneous structure
- ➔ Colour and gloss consistency is assured even when mixing materials from different production batches
- ➔ Narrow tolerances of the chemical composition and manufacturing parameters
- ➔ Enhanced and optimised anodising performance
- ➔ Chemistry in accordance with EN 573-3 (AA5005)
- ➔ Material and dimensional tolerance in accordance to EN 485-1, EN 485-2 and EN 485-4

Technical Data

Physical properties of the base material

Modulus of elasticity: approx. 70.000 MPa

Density: approx. 2.7 t/m³

Coefficient of thermal expansion: 0.0236 mm per Kelvin and meter

Dimensions

Sheet thickness: 0.8 to 3.0 mm (temper H14) and 4.0 mm (temper H12, applies only to J57S UP[®])

Width up to 2.000 mm, only to 3.0 mm sheet thickness

Length up to 6.000 mm possible

Fire protection

J57S UP[®] is not combustible (according to 96/603/EG)

Certificates

DIN EN ISO 9001:2008

Certificate of non-radioactive Al products

DIN EN ISO 50001

EU Declaration

Contact your local branch today for more information:

📧 sales.tkmuk@thyssenkrupp.com

engineering.tomorrow.together.



thyssenkrupp