

Product description	FALZONAL prepainted aluminium in lock-welt quality is a semi-finished coil-coated product. The alloy, the mechanical properties and the coating materials are also coordinated perfectly with the processing techniques used in lock-welting.
Application	Roofing and facade cladding for new and old buildings, e.g. residential buildings, halls, commercial constructions, churches, etc.
Fireproofing	FALZONAL is non-combustible in accordance with EN 13501-A1.
Processing	FALZONAL can be processed at 0° C without any problems.
Alloy	Novelis WG-C4S (AlMn 1 Mg 0.5 to EN 573/EN 1396), lock-welt quality H41.
Dimensions	Thickness: 0.7 mm Width: 600 mm/1,200 mm
Strength	H 41 (1/8 hard). The following guideline values have been calculated from probes to DIN 50114*): Tensile strength: $R_m 130 - 170 \text{ N/mm}^2$ · Yield point: $R_{p0.2} > 100 \text{ N/mm}^2$ · Elongation: $A50 > 6\%$
Thermal expansions	Coefficient of linear expansion 0.024 mm/m K
Elasticity	Modulus of elasticity – $70,000 \text{ N/mm}^2$
Coating	Front face (exposed side): 2-layer system (primer and top coat applied with a mixture ratio of 80/20 (PVdF) using coil-coating process). Paint-system: PVdF (polyvinylidene fluoride). A number of special colour tones are applied in 3 or even 4 layers. Reverse face: transparent protective lacquer with printed identification No. and Novelis symbol. An arrow indicates the direction of coating.
Coating thickness	Front side approx. $25 \mu\text{m}$, Reverse side approx. $3 \mu\text{m}$.
Gloss	10 or 20 units in the Gardner system, measuring angle 60° ; metallic colours with approx. 40 units.
Colour range	Colours as per current Novelis colour chart, with various special colour developments such as simulated copper, titanium to zinc. Minimum quantities for special colours and special customised tones $1,500 \text{ m}^2$.
Protective film	Anti-slip, white, UV-resistant, asymmetrically-perforated protective film. The film can remain on the panels for up to 6 months until all work is complete.
Quality checks	Compliant with all relevant European standards such as DIN, ASTM, BS, EN, ISO 9001 and ECCA**).
Wastewater regulations	In accordance with ATV-DVWK-M153, no special measures are needed as no detrimental heavy metal erosion can occur.
Recycling	FALZONAL prepainted aluminium can be recycled without problem and without any loss of quality.
Sales	FALZONAL prepainted aluminium is available from specialist dealers. We would be pleased to provide you with details of local suppliers on request.
Other products made from Novelis pre-painted aluminium	Prepainted aluminium for facades up to 3.00 mm thickness



*) The strength properties of Novelis aluminium semi-finished goods comply extensively with DIN 1396.

**) ECCA: European Coil Coating Association, Brussels. The members of the ECCA undertake to ensure the consistently high quality of pre-coated material and to ensure its suitability for use in the construction industry. Novelis is a member of ECCA.