

# Technical specifications and service

**FALZONAL®**

<b>Product description</b>	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.
<b>Application</b>	Roofing and facade cladding for new and old buildings, e.g. residential buildings, halls, commercial constructions, churches, etc.
<b>Fireproofing</b>	FALZONAL is non-combustible in accordance with EN 13501-A1.
<b>Processing</b>	FALZONAL can be processed at 0° C without any problems.
<b>Alloy</b>	Novelis WG-C4S (AlMn 1 Mg 0.5 to EN 573/EN 1396), lock-welt quality H41.
<b>Dimensions</b>	Thickness: 0.7 mm Width: 600 mm/1,200 mm
<b>Strength</b>	H 41 (1/8 hard). The following guideline values have been calculated from probes to DIN 50114*): Tensile strength: Rm 130 –170 N/mm <sup>2</sup> · Yield point: Rp0.2 > 100 N/mm <sup>2</sup> · Elongation: A50 > 6%
<b>Thermal expansions</b>	Coefficient of linear expansion 0.024 mm/m K
<b>Elasticity</b>	Modulus of elasticity – 70,000 N/mm <sup>2</sup>
<b>Coating</b>	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.
<b>Coating thickness</b>	Front side approx. 25 µm, Reverse side approx. 3 µm.
<b>Gloss</b>	10 or 20 units in the Gardner system, measuring angle 60°; metallic colours with approx. 40 units.
<b>Colour range</b>	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 m <sup>2</sup> .
<b>Protective film</b>	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.
<b>Quality checks</b>	Compliant with all relevant European standards such as DIN, ASTM, BS, EN, ISO 9001 and ECCA**).
<b>Wastewater regulations</b>	In accordance with ATV-DVWK-M153, no special measures are needed as no detrimental heavy metal erosion can occur.
<b>Recycling</b>	FALZONAL prepainted aluminium can be recycled without problem and without any loss of quality.
<b>Sales</b>	FALZONAL prepainted aluminium is available from specialist dealers. We would be pleased to provide you with details of local suppliers on request.
<b>Other products made from Novelis pre-painted aluminium</b>	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.