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Facades

# Exterior Applications

# Tailor-made for every facade

The Alanod range of thicknesses varies from 0.1 mm to 1.5 mm. This range offers the option to incorporate our surfaces into various structural elements and also allows the facade designer to use different techniques to complete projects.





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To enhance the connection of Alanod surfaces to the structural material – such as the ACP (aluminium composite panel), HPL (high pressure laminates) full core panels and honeycomb panels, an extensive range of primers are available. This means our surfaces can be supplied as already-finished material, ready for production.

# Decorations that make the difference

We have two different protective coatings developed specifically for the requirements of facade design:

- FL01 is an extra clear, thin protective coating suitable for our DECO PRIME® 4 mirrored surface. It is a highly transparent, hard and brilliant lacquer – slightly formable or not formed at all at later stages.
- FL22 is a translucent, formable protective coating suitable for all our surface finishing. It allows for the finished product to be bent and roll-formed, and is recommended for cassette panels.

Alanod's translucent, coloured aluminium surfaces, only available with a FL22 coating, retain the metallic gleam and reflection properties with all their nuances. Today our range includes coloured options of gold, copper, bronze, stainless steel, and anthracite. Our treatments maintain all the advantages of aluminium's lightweight and easy workability.



Mirror Pavilion Galway Ireland.  
Facade made of DECO PRIME® 4 with FL 01

## General overview of the qualities

Alanod products for facades and outdoor decorative applications are guaranteed for a period of up to 20 years<sup>1)</sup>.

|                   | Description      | Max. width | Min. thickness | Max. thickness | Front side <sup>2)</sup> |      | Reverse side <sup>2)</sup> |      | Warranty <sup>1)</sup> |
|-------------------|------------------|------------|----------------|----------------|--------------------------|------|----------------------------|------|------------------------|
|                   |                  |            |                |                | FL01                     | FL22 | RP01                       | RP05 |                        |
| DECO PRIME® 4     | gloss mirror     | 1,250 mm   | 0.30 mm        | 1.00 mm        | ✓                        | ✓    | ✓                          | ✓    | 20 years               |
| DECO PRIME® 20    | reflection matte | 1,250 mm   | 0.40 mm        | 0.75 mm        | –                        | ✓    | ✓                          | ✓    | 20 years               |
| DECO PRIME® 30    | ghost line       | 1,250 mm   | 0.50 mm        | 0.50 mm        | –                        | ✓    | ✓                          | ✓    | 20 years               |
| DECO PRIME® 152   | blur             | 1,250 mm   | 0.30 mm        | 1.00 mm        | –                        | ✓    | ✓                          | ✓    | 20 years               |
| DECO PRIME® 7/711 | brushed          | 1,350 mm   | 0.10 mm        | 1.00 mm        | –                        | ✓    | ✓                          | ✓    | 20 years               |

FL01: extra clear, thin protective coating

FL22: translucent, formable protective coating

RP01: primer for HPL

RP05: primer for honeycomb, PE, epoxy

<sup>1)</sup> According to the terms and conditions of our warranty for facade products

<sup>2)</sup> This table illustrates the general capability. Please ask for specific requests.

## Surfaces that pass the test

We submitted our surfaces to a multitude of tests that prove their excellent properties under various conditions.

|                   |        | Resistance to salt spray  | Gloss          | Colour difference             | Humidity resistance    | Bending        |
|-------------------|--------|---------------------------|----------------|-------------------------------|------------------------|----------------|
| Standard          | DIN-EN | DIN EN 13523-8            | DIN EN 13523-2 | DIN EN 13523-3                | DIN EN ISO 6270-1      | DIN EN 13523-7 |
|                   | AAMA   | ASTM B117                 | ASTM D523      | ASTM D2244                    | ASTM D2247             | ASTM D4145     |
| Requested value   |        | B117 Index 3 Rating No. 8 | –              | $\Delta E < 2$ Batch to batch | < B2 (S2) Rating No. 8 | 2 t            |
| DECO PRIME® 4     | FL01   | ✓                         | ✓              | ✓                             | ✓                      | ✓              |
|                   | FL22   | ✓                         | ✓              | ✓                             | ✓                      | ✓              |
| DECO PRIME® 20    | FL22   | ✓                         | ✓              | ✓                             | ✓                      | ✓              |
| DECO PRIME® 30    | FL22   | ✓                         | ✓              | ✓                             | ✓                      | ✓              |
| DECO PRIME® 152   | FL22   | ✓                         | ✓              | ✓                             | ✓                      | ✓              |
| DECO PRIME® 7/711 | FL22   | ✓                         | ✓              | ✓                             | ✓                      | ✓              |

## Care for the Environment

Conserving natural resources has been part of our corporate philosophy ever since our company was founded in 1975. Today, Alanod is a climate-neutral, sustainably run company. Due to the excellent recycling properties of aluminium, our materials use up to 90 % recycled aluminium. This consumes up to 95 % less energy compared to primary aluminium production.

Our cutting-edge post-combustion technology enables production of all of our materials without the need for excessive energy input. All our electricity needs are met using “100 % green” energy sources.

## Made in Germany

Our high-tech materials are all manufactured at our sites in Germany.

## System Development

Our broad-based team of experts develops individual solutions for our customers in close cooperation with international research institutions and long-standing industrial partners. Talk to us so that we can work together to fulfill your wishes.



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