



# Warranty



## HydroCoat PVDF Facade

Hydro's coated facade products have been providing outstanding performance for decades. The EN AW 3003, EN AW 3005, EN AW 3105 and EN AW 5005 alloys are tailor-made for the product range's application. This, combined with their state-of-the-art coating, including environmentally friendly pre-treatment, ensures that [HydroCoat PVDF Facade](#) products provide excellent longevity. Full scale outdoor exposure tests and accelerated corrosion tests, combined with our extensive market experience, ensure that these products are well suited for facade applications.

Based on our experience and confidence in this product, Hydro provides up to 35 years warranty for [HydroCoat PVDF Facade](#). The warranty covers loss of lacquer adhesion, peeling, colour stability and flaking as well as corrosion attacks causing leaks as a result of material defects. The warranty is granted for a period ex-works Hydro Holmstrand and is limited to facade applications only. Details concerning warranty conditions, period, scope and rules governing damages are set out on the following pages.

## SCOPE

The warranty offered by Hydro Aluminium Rolled Products AS (Hydro) applies to HydroCoat (HC) PVDF Facade products, meaning aluminium facade products coated with the following HydroCoat quality series:

- HC 3xxx

## COVERAGE

Hydro guarantees that HydroCoat PVDF Facade products are:

- Produced and tested according to the requirements in EN 1396 and EN 13523.
- Generally suitable for the manufacturing of facade solutions.

The warranty applies in the event of the following defects in properties and dysfunctions:

- Corrosion leading to reduced mechanical functionality (i.e. through thickness corrosion).
- Colour changes exceeding 2  $\Delta E$  units (CIE-lab colour difference) during the first 2 years. Exception for colours containing organic pigments, meaning strong/signal colours like red, yellow etc.
- Gloss retention is less than 80% based on an accelerated test (QUV-A, 2000h).

The warranty only applies if:

- The above mentioned incidents arise during normal use and service, and
- The detected damage affects more than 5% of the total project area.

The warranty does not cover the protective coating on the back of the sheet or surfaces with touch-up paint.

## CONDITIONS

The warranty is only valid and can only be asserted if the following conditions are met:

- Forming operation of HydroCoat PVDF Facade products takes place at suitable temperatures and using good craftsmanship.
- No micro-crack formation observed after bending or roll-forming operation.
- The final product is properly installed without any mechanical or chemical damage of the painted surface.
- Documentation of annual inspection and cleaning of the product can be provided on request.
- Documentation of no long-term exposure to temperatures exceeding 80°C.
- HydroCoat PVDF Facade products are not used in especially corrosive or aggressive environments e.g. in air with a high salt content such as coastal areas (<1500 meters from waterfront), or where corrosive chemicals, corrosive fumes, condensation and ash, contact with soil, cement dust or animal droppings may affect the surface.

In the following circumstances the warranty will not apply even when the above listed conditions are met:

- Cause of defect can be tracked back to edge operations (e.g. cutting, slitting or perforating) of the supplied products.
  - HydroCoat PVDF Facade products have been used in combination with incompatible materials (copper fittings, concrete etc.)
  - Insufficient inspection and cleaning of surfaces that are not naturally cleaned by rain.
  - Unsuitable cleansing agents and equipment such as strong alkaline, acidic or solvent based solutions or cleansing procedures/intervals that can adversely affect the product have been used.
  - The defects are caused by fire or other casualty, natural disasters, including but not limited to lightning, hurricane, tornado, misuse, falling objects, radiation and vandalism.
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## PERIOD

The warranty period for HydroCoat PVDF Facade products is dependent on the environmental exposure at the facade application location. The duration of the warranty period is classified in different climatic zones as listed in Table 1.

**Table 1 – General warranty period for the different climatic zones**

Climatic zone <sup>1</sup>	General warranty period
A	35 years
<b>B</b>	<b>25 years</b>
C	15 years

The warranty period applicable to any refinished, repaired or replaced product shall be for the unexpired portion (remainder) of the total warranty period of the originally supplied HydroCoat PVDF Facade product, see Table 2 below.

## LIMITATION AND REDUCTION

The size of the compensation will be based on the number of years the product has been in use, its properties and functionalities and the remaining warranty period. The applicable compensation reduction rates for HydroCoat PVDF Facade products are as follows:

**Table 2 – Reduction of compensation degree through the warranty period**

Claim year <sup>2</sup>	Compensation
0 – 15	100%
16 – 20	75%
21 – 25	50%
26 – 35	25%

Hydro shall not be liable for any loss of profit, business, revenue, goodwill or anticipated savings or earnings due to the product not meeting the provided warranty.

Any compensation payable under this warranty shall be limited to the purchase price of the original products.

## CLAIM

All claims must be submitted in writing to Hydro, within thirty (30) days from the date the damage or defect is first detected.

## APPLICABLE LAW AND LEGAL VENUE

This warranty and any related disputes shall be governed by Norwegian law with the exclusive jurisdiction of the Nordre Vestfold District Court.

<sup>1</sup> Climatic zone A: All countries situated >45° northern or >45° southern latitude e.g. Scandinavia, Great Britain, Netherlands, Belgium, France, Switzerland, Poland, Austria, Germany

Climatic zone B: All countries situated between 45° and 30° northern as well as between 45° and 30° southern latitude e.g. France, Portugal, Spain, Italy, Greece, Turkey, Morocco, Algeria, Libya

Climatic zone C: All countries situated between 30° northern and 30° southern latitude, e.g. Australia, South East Asia, Middle and South America, Florida, Saudi Arabia

<sup>2</sup> Compensation for claim year is reduced relative to the reduction of total warranty period.

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