

COATING GUARANTEE

Myriad offers a coating guarantee to company Metehe Oy and for materials supplied by Metehe Oy, concerning prepainted galvanised steel manufactured by the Myriad company. The guarantee applies to continuously organic-coated flat galvanised steel products manufactured by Myriad company used in the cladding and roofing products of industrial, tertiary, residential or agricultural buildings.

The guarantee covers, according to general conditions of the guarantee, corrosion leading to flaking or loss of adhesion of the top coat on the galvanised steel and major, unequal change in colour.

Myriad agrees to offer the following period of guarantees:

PUR (Myriamax): 15 years

PVDF (Myriafluor): 12 years

PVDF 35my (Myriafluor Plus): 15 years

Signed on 2.10.2007



Jean-Christophe Coiffier
Technical Support Manager
Myriad

<p style="text-align: center;">GENERAL CONDITIONS OF THE GUARANTEE BUILDING EXTERIOR ENVELOPE EUROPE</p>

Scope of the guarantee

This guarantee applies to the continuously organic-coated flat galvanised steel products (prepainted galvanised steel) described in Appendix 3, manufactured by the Myriad company, used in the cladding and roofing of industrial, tertiary, residential or agricultural buildings in the atmospheres described in Appendix 1.

Prepainted steels are manufactured by Myriad in accordance with the following standards: **EN 10143** (Dimensional tolerances), **EN 10327** (Galvanised low-carbon steels), **EN 10326** (Galvanised structural steels), **EN 10169-1, 2** (Prepainted steels) and **XP P 34-301** (Prepainted steels).

The guarantee covers the following damage:

- Perforation of the steel as a result of significant peeling of the coating from the steel.
- Corrosion of the steel (red rust) due to significant peeling off or cracks in the organic coating, or due to the metallic coating.
- Any major and unequal change in colour.

Duration of the guarantee

The guarantee shall enter into effect on the date of delivery, as stated on the invoice.

The duration of the guarantee period shall depend on the product, the atmosphere and/or the geographic area. The durations are indicated in Appendix 3.

No restoration performed under the cover of guarantee shall give rise to an extension of the guarantee period.

Conditions of the guarantee

This guarantee covers prepainted steel used for cladding and roofing, sandwich panels and sections for industrial, tertiary, residential and agricultural buildings in the scope of their habitual use. The guarantee only applies to the exposed outer side and does not cover accessories (guttering, standing seam clips etc.).

All our products are carefully manufactured from selected materials; this guarantee therefore covers all accidental manufacturing defects.

The organic coating protects the substrate against corrosion. It does not peel off or flake. The guarantee applies when more than 5% of the surface area of the same side of a building is affected by steel corrosion.

It shall be accepted that changes in appearance may occur slowly, gradually and uniformly on any product resulting from a single Myriad production run, on the same side of a building exposed to the same exposing conditions.

The conditions under which the products are stored, conditioned, transported, handled, erected and maintained shall comply with relevant codes of practice and standards (DTU statutory technical guidelines, French and European standards XP P34-301, EN 10169-1 and -2).

In particular, scratching, projection of steel dust, condensation, damp stagnation, use of unsuitable chemicals or technical materials shall be avoided.

At the worksite, the products shall be sheltered from rain and direct sunlight and the storage period shall not under any circumstances exceed one month. Products shall be fitted within six (6) months from the delivery date, as stated on the invoice.

Protective films shall be removed within six (6) months from delivery of the prepainted steel.

These protective films do not under any circumstances eliminate the need for sheltered dry storage and do not protect the steel from any chemical attack which might occur during forming.

The protective films must be removed immediately after erection.

In order to preserve the coatings, the owner is required to carry out an annual inspection, clean off any surface deposits (leaves, salt, dust etc.) and inform the supplier of any observations.

For that reason, any claims for the application of this warranty will only be accepted if less than 10% of the surface area of the same section of the building is affected by corrosion.

Exclusions

The guarantee is not applicable:

- If the prepainted steel is used in an abnormal corrosive or aggressive environment (if the air has a high salt content, for instance), if the conditions of use involve continuous contact with water or damp surfaces (concrete, wood, soil etc.), or if used in an environment where chemicals, smoke, dust, condensation water or manure act on the surface of the steel sheet. This guarantee shall therefore not apply to structures located in areas where the atmosphere is particularly corrosive or where directly attacked by sea water.
- To roofing and, by extension, to their constituent parts, of which the design, manufacturing or assembly lead to water retention or various forms of soiling and/or of which the pitch is less than 7%.
- To parts not washed by natural elements.
- If corrosion appears starting from the reverse side, from transverse and longitudinal overlaps, or due to the atmosphere inside the building.
- To bends with an inside radius of less than three (3) times the thickness of the steel sheet; one (1) time for the Myriamax, Myriafluor and Myriafluor Plus products.
- If the steel sheet is shaped at a temperature of less than 10°C, except for the Myriamax (PUR) product which can be bent or shaped up to a temperature limit of -15°C and both the Myriafluor (PVDF) and Myriafluor Plus (PVDF 35my) products which can be bent or shaped up to a temperature limit of -10°C. However, the conversion operation must be carried out under supervision and with due care in order to avoid the appearing of cracks in the organic coating.
- If the steel sheet is exposed to abnormal high temperatures.

- To parts that have been cut, drilled or heavily deformed (ends of strips, cut-outs, holes, deep scratches etc.).
- To a slow, gradual, uniform change of colour, change due to soiling or change of the gloss of the coating.
- To parts that have been coated with a touch-up paint and to the consequences (corrosion, peeling of the coating etc.) in proximity to the area coated with a touch-up paint.
- To degradation of the paint film resulting from abnormal phenomena (natural disasters, acts of war, explosions, fire, local burns, accidental impacts etc.).
- If the assembly of prepainted products with other materials produces a galvanic couple or, in a general manner, if potential differences are present.
- In the event of a change in the nature of the environment and/or the use of the premises for whatever reason.

Implementation of the guarantee

In the event of a claim, Myriad will compensate for the damage by supplying new materials or by providing and applying the repair paint for the restoration of the defective surfaces; the choice of solution being left to the discretion of Myriad.

In all cases, the extent of the guarantee shall be limited to the cost of the material supplied and covered by the guarantee, as stated on the invoice. Only damaged parts shall be repaired or reimbursed.

This guarantee excludes any responsibility for direct or indirect immaterial losses due to the damage to which the guarantee relates, such as layoffs, loss of production, loss of use, loss of brand image, contractual penalties etc.

Repair claims must be made immediately on observation of the damage by referring to the invoice relating to purchase of the impaired material from Metehe Oy. All claims shall reach us within 30 days of observation of the defect or damage by the owner of the building, addressed to:

**Metehe Oy
Voimakaari 17
54100 JOUTSENO
FINLAND**

The owner of the building shall enclose all documents and information which will help examine the observed defect or degradation. Metehe Oy shall forward this information to Myriad and Myriad shall be given the opportunity to inspect the building in relation to the claim made. Myriad will conclude the compensatory measures in a reasonable time after receiving the relevant claim, depending on the action chosen.

APPENDIX 1 CATEGORIES OF CORROSION – EXAMPLES OF ATMOSPHERES

Sources: EN 10169-2, Appendix A; EN ISO 12944-2

Categories of corrosivity are defined in ISO 12944-2 according to zinc weight loss. Examples of atmospheres corresponding to the categories of corrosion are indicated below:

C2 – Low corrosivity

Atmosphere prevailing in rural areas and small cities, with no significant contamination by corrosive agents such as sulphur dioxide and/or chlorides.

C3 – Medium corrosivity

Contaminated atmosphere prevailing in areas with a high population density but with no major industrial activity. It contains moderate concentrations of pollutants such as sulphur dioxide and/or chlorides.

Areas with a low level of salinity located between 10 and 20 km from the coast except in Finland where content of salt is lower because of the Baltic Sea.

C4 – High corrosivity

Atmosphere contaminated by the corrosive pollutants discharged by local and regional industry (especially sulphur dioxide).

Areas with a moderate level of salinity located between 3 and 10 km from the coast except in Finland where content of salt is lower because of the Baltic Sea.

C5-I – Very high corrosivity (industrial)

Atmosphere contaminated by the corrosive pollutants discharged by local and regional industry (C4), together with a high level of humidity.

C5-M – Very high corrosivity (marine)

Atmosphere prevailing at sea and in coastal areas.

This guarantee only covers areas with a high level of salinity, i.e. areas located within 3 km from the coast, except in Finland where content of salt is lower because of the Baltic Sea. This guarantee excludes the sea front (area exposed to direct seawater attack).

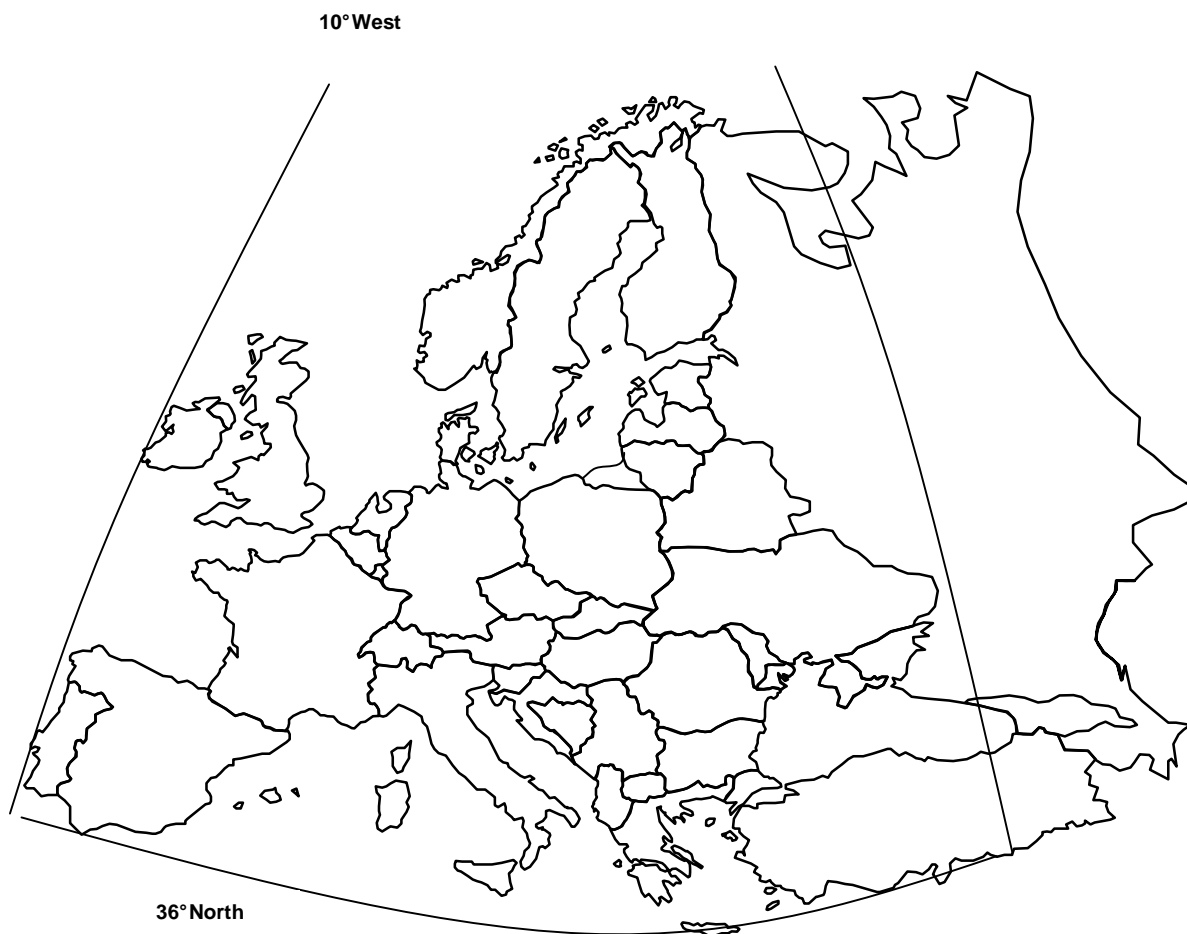
Special atmospheres

- Atmosphere of buildings exposed to strong UV radiation: for example buildings located at an altitude of over 900 m above the sea level etc.
- Particular atmosphere: environment where the severity of the exposure described above is increased by certain factors, such as particularly corrosive agents, sea spray, high hygrometry, significant dust deposits, high temperatures, abrasion etc.

Note 1: A marine atmosphere includes a certain distance inland according to the topography and the direction of the prevailing winds. It is very highly charged with sea salt (especially chlorides).




APPENDIX 2 GEOGRAPHIC AREAS...

The following geographic areas are covered by the generic guarantee (in addition to the definitions of atmospheres in Appendix 1) : Continental Europe, United Kingdom, Ireland, Denmark, Corsica, Sicily and Sardinia ; Turkey and all other islands being excluded ; i.e. the geographic area lying above a latitude of 36°North and between longitudes of 10 °West and 40° East.



APPENDIX 3
DEFINITION AND CHOICE OF PRODUCTS ACCORDING TO ATMOSPHERE
DURATION OF ASSOCIATED GUARANTEE PERIODS

Product (1)	Coating Thickness	Category as per XP P34-301	Corrosion and UV resistance category as per EN 10169-2		Rural, urban, normal industrial, low salinity (C2/C3)	Severe industrial (C4/C5-I)	High salinity (C4/C5-M)	Special atmospheres
			RC3	RUV4				
PVDF (Myriafluor)	PVF2 25µm	IV	RC3	RUV4	✓ 12	☎	✗	✗
PVDF 35 my (Myriafluor Plus)	PVF2 35µm	VI	RC4	RUV4	✓ 15	✓ 12	✓ 10	☎
PUR (Myriamax)	polyurethane 50µm grained	VI	RC5	RUV4	✓ 15	✓ 10	✓ 15	☎

 Suitable 10 Duration of generic guarantee
  Consult us. Specific guarantee possible following environmental survey.
  Unsuitable – not guaranteed

(1) All of these products have a Z275 zinc weight.
 For the definitions of special atmospheres, refer to Appendix 1.