

Warranty and Technical Conditions for Steel Construction Components Supplied by voestalpine Profilform s.r.o.

Revision B from September 11, 2023

1. Scope

- 1.1 These Warranty and Technical Conditions for Steel Construction Components Supplied by voestalpine Profilform s.r.o. (hereinafter referred to as "**Warranty Conditions**") apply to all cases (contractual relationships) in which voestalpine Profilform s.r.o., with registered office at Tovární 4, 682 26, Vyškov, Czech Republic, reg. No. 25321455, acts as the supplier (seller or contractor).
- 1.2 These Warranty Conditions apply to all goods from the voestalpine Profilform s.r.o. portfolio, consisting of components for secondary steel structures, in particular:
 - a) **METSEC roof purlins + accessories**
 - b) **METSEC wall side rails + accessories**
 - c) **METSEC floor beams + accessories**
 - d) **Facade load-bearing structures + accessories**
 - e) **METSEC load-bearing structures of mezzanine floors**
 - f) **Other load-bearing structures made of METSEC sections**
- 1.3 These Warranty Conditions form an integral part of any contractual agreement between voestalpine Profilform s.r.o. and the purchaser or customer.

2. Warranty Period

- 2.1 The warranty period must always be agreed in writing or confirmed in writing by voestalpine Profilform s.r.o. (e.g. in a "Purchase Order Confirmation"). voestalpine Profilform s.r.o. always provides its warranty for a limited period only (number of years).
- 2.2 The warranty starts on the date of goods delivery in accordance with the agreed delivery condition. The customer's failure to accept the goods, in breach of the contract, shall not affect the running of the warranty period. The moment of incorporation of the goods into the overall structure shall have no effect on the running of the warranty period, unless expressly agreed otherwise in writing.

3. Warranty Subject

- 3.1 The subject of the warranty is the durability of the protective zinc coating agreed in the contract or specified in the Purchase Order Confirmation, while respecting that this zinc coating will be reduced over time, in accordance with ČSN EN ISO 9223, chapter 7, table 2.
- 3.2 Furthermore, the subject of the warranty is the technical characteristics of the goods in accordance with the relevant technical manual, valid at the date of the contract conclusion or Purchase Order Confirmation.

4. Specific Warranty Conditions

- 4.1 voestalpine Profilform s.r.o. shall not be liable for defects caused by non-compliance with the technical manual or by unprofessional use of the goods, in particular loading/unloading, handling, storage and/or assembling.
- 4.2 voestalpine Profilform s.r.o. shall not be liable for defects caused by the use of goods in contravention of the relevant stress analysis calculation for the structure, or the design documentation that defines the use of individual components and the entire building.
- 4.3 The phenomenon known as "edge corrosion" shall not be considered a defect and shall not be covered by the warranty, if present to an extent not impairing the properties of the zinc-coated surface.
- 4.4 The phenomenon called "white rust" shall not be covered by the warranty. White rust usually results from improper storage of the goods by the customer at the construction site.
- 4.5 The warranty shall cover only goods used in corrosive environments not exceeding C1 - C5 according to ČSN EN ISO 9223, provided that the corrosive environment for which the warranty is valid is specified in the contract or in the Purchase Order Confirmation. The particular corrosive environment is always specified for the specific project and should be defined in the project documentation. voestalpine Profilform Ltd. shall not be liable for any deficiencies in the project design or for incorrectly determined corrosive environment.

- 4.6 The goods shall be considered faultless and the corrosion protection property shall be considered to be satisfied if any corrosion does not occur on more than 5% of the surface of each individual part. The warranty shall not cover the natural ageing of the zinc surface, discolouration of the surface or its glossiness.
- 4.7 The warranty shall not cover mechanical damage, direct contact of the goods with organic pollutants, goods exposed to moisture caused by external conditions or by condensation caused by improper ventilation inside the building or goods exposed to variable temperatures exceeding 60 °C.
- 4.8 The warranty shall not cover goods subjected to improper mechanical cleaning or cleaning with acid or alkaline cleaners. It shall not cover goods exposed even briefly to chemicals such as sulphur fumes, acids, fats, ammonia, chlorine, etc.
- 4.9 Individual structural components may only be chemically cleaned in accordance with the instructions of voestalpine Profilform Ltd.
- 4.10 The warranty shall not cover defects caused by cleaning the components with organic solvents or abrasives.
- 4.11 The warranty shall not cover different shades of zinc surface or different textures of zinc flowers.
- 4.12 The warranty shall not cover any colour changes to the zinc surface, provided that there is no deterioration. The loss of zinc according to EN ISO 9223 shall not be considered surface deterioration or defect.
- 4.13 The warranty shall not cover any repairs carried out by the customer without the written consent of voestalpine Profilform s.r.o.

5. Standards, Regulations and Test Results Determining the Goods Quality

voestalpine Profilform s.r.o. liability for goods defects shall be assessed according to the following regulations, standards and professional technical documents:

- 5.1 ČSN EN 1090-1 + A1: Execution of steel structures and aluminium structures – Part 1: Requirements for conformity assessment of structural components
- 5.2 ČSN EN 1090-4: Execution of steel structures and aluminium structures – Part 4: Technical requirements for cold-formed structural steel elements and sold-formed structures for roof, ceiling, floor and wall applications
- 5.3 ČSN EN 10346 – Continuously hot-dip coated steel flat products for cold forming – Technical delivery conditions
- 5.4 ČSN EN 10143 – Continuously hot-dip coated steel sheet and strip – Tolerances on dimensions and shape
- 5.5 ČSN EN 10162 – Cold-rolled steel sections – Technical delivery conditions – Dimensional and cross-sectional tolerances
- 5.6 ČSN EN ISO 14713-1 Zinc coatings – Guidelines and recommendations for the protection against corrosion of iron and steel in structures – Part 1: General principles of design and corrosion resistance
- 5.7 ČSN EN ISO 9223 Corrosion of metals and alloys – Corrosivity of atmospheres – Classification, determination and estimation
- 5.8 ČSN EN ISO 9224 Corrosion of metals and alloys – Corrosivity of atmospheres – Guiding values for the corrosivity categories
- 5.9 ČSN EN ISO 9225 Corrosion of metals and alloys – Corrosivity of atmospheres – Measurement of environmental parameters affecting corrosivity of atmospheres
- 5.10 ČSN EN ISO 9226 Corrosion of metals and alloys – Corrosivity of atmospheres – Determination of corrosion rate of standard specimens for the evaluation of corrosivity
- 5.11 ČSN EN ISO 9227 Corrosion tests in artificial atmospheres – Salt spray tests
- 5.12 EUR24219 European Commission report – Self-healing at the cut edge of coil-coated galvanised steel
- 5.13 White rust on zinc-coated coils – Technical information – published by British Steel Corporation in 1995
- 5.14 Edge protection by zinc – published by British Steel Corporation in 1974

6. Recommended Storage of METSEC Components

- 6.1 METSEC components must be stored in a dry environment with low humidity and without significant temperature fluctuations.
- 6.2 If, for practical reasons, storage in a dry environment with a stable temperature is not possible, the bundled sections must be distributed in such a way as to not touch each other. If even this cannot be provided, the bundles must be stored slightly inclined and covered so that water that may get between the individual sections within each bundle can drain freely. The bundles containing components must be covered with a waterproof tarpaulin to protect them from direct exposure to rain or snow.

7. Recommended Transporting Conditions of METSEC Components

- 7.1 Vehicles with a covered cargo area must be used for transport, protecting it from adverse weather conditions (rain or snow).
- 7.2 It is recommended to load the goods in the voestalpine Profiform s.r.o. hall.
- 7.3 It is not recommended to unload the goods in rainy weather – if conditions do not permit this, extra care must be taken when storing – in particular, to store the bundles of sections slightly inclined to allow water (if any) to drain away. It is recommended to cover the bundles with a waterproof tarpaulin. The bundles should be ideally distributed so as to prevent contact between the section surfaces.