Siedlce, 22/2/2016

WARRANTY CONDITIONS FOR A ZINC COATING

for hot-dip galvanized steel structures.

Mostostal Siedlce Spółka z ograniczoną odpowiedzialnością (limited liability company) sp. k. (Ltd. partnership) grants a warranty for zinc coating applied with the hot-dip method on steel structures, as per the standard **PN-EN ISO 1461**.

The warranty period, calculated from the date of shipment from our company, depends on the aggressiveness degree of the environment, where the a/m structures shall be stored, installed and operated, according to the principles set out in the below table:

Table no. 1. Warranty periods for hot-dip galvanized coating per atmospheric corrosion. Atmosphere type and corrosion aggressiveness categories acc. to PN-EN ISO 14713-1.

No.	Atmosphere type	Corrosion aggressiveness category	Warranty period
1.	Minor corrosion impact	C1	5 years
2.	Small corrosion impact	C2	5 years
3.	Moderate corrosion impact	C3	5 years
4.	High corrosion impact	C4	4 years
5.	Very high corrosion impact	C5, CX	2 years

The warranty is granted under the following conditions:

a) Prior to the delivery of the structures to the galvanization plant, the Employer is obliged to mark the elements after assembling the structures, in a permanent manner, in a visible place, as per the stated code: year of delivery, month of delivery, e.g. 16/1, which means 2016/January. In the event of failure to meet this requirement, a 12 month warranty shall apply.

b) Directly after receiving the structures, the Employer shall repair the coats damaged during transport and handling, as per the standard **PN-EN ISO 1461**, point 6.3: *"The repair should cover: removal of impurities (dust, oils, grease, corrosion traces) and necessary cleaning and surface preparation of the damaged place, in order to ensure required adhesion".* The repair should involve painting with a zinc-rich priming paint. The paint coating thickness should be at least 100 µm.

c) Storage, installation and operation of the structures shall take place in an environment with corrosive aggressiveness stipulated in table no. 1 for a given warranty period.

d) The Employer determines the aggressive category of a corrosive atmosphere on the basis of standard **PN-EN ISO 14713-1**.

e) During the storage period, structural elements shall be stored on supports, in a way preventing contact with the ground, accumulation of precipitation and mechanical impurities.

f) Zinc coatings damaged during installation of the structures shall be repaired according to point (b).

g) Once every 12 months, the user shall inspect the coatings and protect the appeared corrosion focal points according to point (b).

h) Within 7 day prior to the planned inspection, the Employer shall notify Mostostal Siedlce on the date of the inspection and enable its representatives to participate in the inspection. Should a Mostostal Siedlce representative fail to turn up for an inspection on a determined date, the Employer shall conduct the inspection alone.

i) The yearly inspection protocols shall be stored in the files of the Employer.

There can be no corrosion focal points of the steel surface on the galvanized elements of the structures during the warranty period, with a total area exceeding the area determined in **PN-EN ISO 1461** point 6.3 for defective places.

<u>The warranty is made void as a result of:</u>

- cases of special corrosion exposures, defined in the standard **PN-EN ISO 14713-1** (in such cases, the warranty periods shall be agreed individually, in writing),
- mechanical damages of the zinc coating, resulting from handling, transport and installation outside of the Mostostal Siedlce premises, if the Employer failed to repair theses damages as per the requirements of point (b) or if the surface of the repaired damages exceeds the permissible amount determined in **PN-EN ISO 1461** for defective places,
- mechanical and thermal damages of the zinc coating, resulting from cutting, welding, drilling of the opening and any rework on the structure after galvanization, causing damage of the zinc coating,
- mechanical, thermal and chemical damages during the operation period,
- damages resulting from random events.

The so-called white corrosion (white-grey patches formed under the influence of atmospheric factors) does not constitute grounds to submit a claim for the zinc coating.