



RECOMMENDATIONS FOR CUSTOMERS

Care of tinplate during transport, storage and inspection

Although tinplate is corrosion resistant, it does not mean that this resistance is ensured under all conditions. Therefore, to ensure this protective function for the customer's satisfaction, it is necessary to follow certain instructions during transport, storage and handling of tinplate, which are presented in this „Recommendation“.

In many cases, corrosion and damage of material is caused by water condensation, when the ambient temperature is higher than the temperature of packaged tinplate in the form of bundles or coils. To avoid such damage, it is necessary:

1. To maintain the fully packaged coil (bundle) under new climatic conditions until the material inside the coil (bundle) reaches the ambient temperature (24-48 hours).
2. The delivered material must be stored in a covered, dry and ventilated space, protected against sudden temperature changes. Coils (bundles) must not be stored near entry and exit gates and doors.
3. The following recommendations are based on the condition of the packaging of material when delivered to the place of destination:

Undamaged packaging: put the completely packaged coil (bundle) to place with new climatic conditions for a necessary period so that the material inside the packaging can reach ambient temperature (24 - 48 hours). When the material reaches the ambient temperature, the packaging can be removed and the tinplate can be exposed to the new conditions for further processing.

Slightly damaged or slightly torn packaging: open places of the packaging must be glued up or sealed, in order to avoid heat entering the packaging. After the temperatures are balanced, the material can be unpacked and transferred for further processing.

Heavily damaged or open packaging: it is necessary to immediately remove all the packaging and to place the coil (bundle) of tinplate near a heater or a hot air flow. In case that it is apparent that water leaked into the packaging, we recommend that the material should be placed under a suitable angle, so that residual water can run out. This ensures that the material will reach ambient temperature as soon as possible and the effects of water leakage and condensation on the tinplate will be minimized. The unpacked material must be processed as soon as possible.

4. We do not recommend leaving the material unpacked and exposed to the ambient temperature for long periods. Material placed in an environment whose ambient temperature is higher than the temperature of the environment in which the material was stored (including transport) must be processed as soon as the heating process is finished.
5. Claimed material returned to the manufacturer must always be packed and strapped in such a way that its protection and safe transport to the manufacturer can be ensured.
6. The consignor is obliged to ensure the protection of material against getting wet, moisturizing, water leaking into the packaging and against chemical or mechanical damage.
7. It is not permissible to store wet material containing residues of water or condensed moisture.

It is necessary to observe the following principles, so that tinplate can fulfill its protective function:

8. It is recommended that tinplate is stored in a clean, ventilated and dry environment with a maximum permissible relative humidity of 70%. During storing, a stable temperature is recommended, so that the material cannot become damp.





9. When storing tinplate bundles, only bundles of the same size can be stacked. The number of levels in the stack is given in the label on the wooden palette.
10. The stacking of coils with the horizontal axis without palette is not recommended because of a possibility of occurrence of marks and settlement of coils.
11. The stacking of coils with the horizontal axis, placed on wooden palettes, is not permitted.
12. The stacking of coils with the vertical axis, placed on wooden bases, is permitted. The recommended number of layers: two.
13. When unloading and handling the material, owing to the way of placement and the way of packaging, we recommend that appropriate lifting equipment and binding means (textile ropes) are used in designated handling places, so that the material cannot be damaged (do not use steel ropes).
14. It is not permitted to unload and move two coils at the same time. When unloading the coils, we recommend that only one coil at a time can be moved.

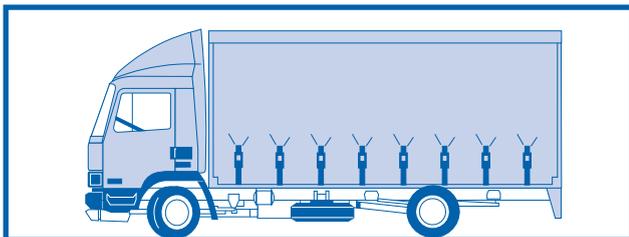
Recommendations related to the inspection of packaged tinplate in the form of bundles or coils when delivered:

Truck deliveries.

In case of obvious damage after receiving the products (mechanical damage, leakage or corrosion), the consignee will record in the transport documentation (CMR, bill of lading):

- name of the truck driver,
- name of the company (forwarder)
- nature of damage.

These facts must be signed by the truck driver. The consignee will make photo-documentation on the goods damage before unloading, directly on the truck.



Railway deliveries.

In case of obvious damage after opening the railway wagon, the consignee shall record in the transport documentation:

- wagon number,
- delivery date,
- time,
- wagon condition,
- information on material,
- nature of damage.

Before unloading the railway wagon, the consignee will ask the railway station to make a commercial report or an investigation report. The consignee will make photo-documentation on the goods damage before unloading the goods, directly on the wagon.



General provisions.

Photographs are desirable as visual evidence of the condition of material during receiving it; they are also an important „communication“ tool that enables us to understand the customer's interests. In case that the presence of corrosion, mechanical damage of material, damage due to water or stains is not visible before unpacking and opening the packaging, be sure to record the identification elements of the whole volume of concerned material. In addition, it is necessary to keep aside any paper and other packaging material. During the inspection, this material will be the subject of inspection.

In dependence of the delivery term (INCOTERMS), please send this information to a responsible employee of the Customer Technical Service (CTS) of U. S. Steel Košice, s.r.o., while attaching the list of material, and/or send directly to the insurance company.

