Storage and transport of galvanized steel

General

The good protection against corrosion, which comes by hot-dip galvanization, is based on the formation of protective surface layers caused by the effects of the weathering, which will build up within a few weeks or months on the surface of hot dip galvanized steel parts.

The coatings that are so important for the anti-corrosive effect of zinc can not form if the zinc surface over a longer period of time is moisturized with water that contains no or only very little mineral substances, or if the supply of air and thus the supply of CO_2 is insufficient.

Outdoor storage of galvanized steel parts that outdoor under tarpaulins or foils is not advisable also, as moist air builds up under the covers and condensation water will cover the surface of the metal.
In these cases the surface of galvanized components developes so-called „white rust". White rust does not have a well-defined composition, as the chemical composition is dependent on the individual conditions under which the white rust is developing. In practice, white rust can arise on freshly hot-dip galvanized parts, since right after galvanization no protective cover layers have yet formed. Although white rust affects the optical appearance of a galvanized part, it does not affect the protective characteristics of the galvanization.
Parts that are affected by white rust, can be cleaned using regular diesel fuel, which will show good results.
Over the course of a few months, the appearance of the freshly hot dip galvanized parts will change into a light shade of grey and the desired „zinc patina" will develop.

Handling and storage of LORO-X material

The delivery must be checked promptly upon receipt.

LORO-X material must always be stored in a dry and ventilated area.

Condensation should be avoided (not under plastic foils or tarpaulins)

Even with pipe bundles, it must be ensured that no waterlogging occurs.

Goods packed in sacks must be opened immediately.

Bad Gandersheim, 15.8.2016