



HOT DIP GALVANISING SIGILLO VERDE®



SIGILLO VERDE® hot-dip galvanising is a metallurgical treatment that protects against rust.

1. Technical Features

SIGILLO VERDE® hot-dip galvanising is performed according to European **UNI EN ISO 1461** standard or, on request, according to other international standards such as the American ASTM. SIGILLO VERDE® hot-dip galvanising is performed in a **Class 1 zinc bath according to EU standard EN 24286**, the only one that allows us to preserve all the mechanical characteristics of steel and weld seams otherwise to be verified, as required, according to EU Standard EN 1090.

2. Durability

The zinc coating provides corrosion protection by sacrificing itself instead of the "iron" and, thanks to its oxidation times, significantly higher than those of iron, it guarantees protection for several years. The hot-dip galvanising method has different life expectancies depending on the environment in which it operates. To determine the life expectancy, it is therefore necessary to identify the Category of Environmental Corrosion relative to the installation site. UNI EN ISO 14713-1 assigns a corrosion rate expressed in $\mu\text{M} / \text{year}$ for each category of corrosion.

SIGILLO VERDE® life is **63 years** (data referred on Life Cycle Assessment and Environmental Product Declaration EPD, **class corrosion C3 - UNI EN ISO 12944**).

SIGILLO VERDE® hot-dip galvanising is delivered with a **user and maintenance manual**, an interesting guide on how to enjoy and prolong the anti-corrosive performance of the treatment to the utmost.

3. Sustainability

SIGILLO VERDE® hot-dip galvanising is performed by Nord Zinc. The Company is managed with Integrated Management System: **Quality (ISO 9001), Environmental (ISO 14001), Safety (OHSAS 18001)**.

SIGILLO VERDE® hot-dip galvanising is made in a **Registered EMAS site** (Environmental Management Audit Scheme), and has **Environmental Product Declaration EPD with Life Cycle Assessment**.

NORD ZINC S.P.A.

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