



NanTec | 10K

THE IDEAL COATING
FOR AGRICULTURE



CISER

Market Challenge

The market for fasteners used in tractors and agricultural implements constantly faces corrosion caused by chemical exposure due to inputs used in daily fieldwork. This creates a need for efficient solutions that meet these demands.





Some companies report that fasteners rust before the **warranty period ends** or **even while stored in industrial yards**, prompting them to seek more **corrosion-resistant** alternatives, such as fasteners with electrolytic coatings or even stainless steel.



CISER SOLUTION

**Nanotec | 10K**

Ciser introduces its new coating solution, **Nanotec 10K**, an innovative and differentiated solution that provides fasteners with high resistance to chemical agents commonly found in field routines.

Technical validations of Nanotec 10K's corrosion resistance include **Kesternich 2.0S** and **Salt Spray** tests applied to fasteners such as bolts, nuts, and washers.

Nanotec 10K

Differentials

- **10 cycles free** from red corrosion in **Kesternich 2.0S (SO₂)** tests, according to **DIN 50018**, verified through technical reports from accredited laboratories;
- **1,500 hours** free from red corrosion in **Salt Spray** tests, according to **ASTM B117**, verified through technical reports from accredited laboratories;
- Coating compliant with **RoHS** (Restriction of Hazardous Substances) and **REACH** (Registration, Evaluation, Authorization, and Restriction of Chemicals) regulations;
- The best solution to meet the demands of the **Agricultural Market** with the best cost-benefit ratio;
- **Hexavalent chromium-free.**



Nanotec 10K Application

The Nanotec 10K coating was designed to meet the needs of the **agricultural, civil construction, automotive, and general industries** that require coatings for fasteners exposed to harsh environments.





Fasteners Compatible with ***Nanotec 10K***

- Metric or inch fasteners with various strength classes or grades, applicable to sizes from **M6 and/or 1/4"**, with various external drives;
- Items with internal **Phillips PH2, PH3**, slotted or hex drives;
- Self-tapping screws or general-use hex lag screws;
- General flat washers.

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