



PRO



ANTIBACTERIAL PRE-PAINTED STEEL



NLMK offers rolled steel featuring an antibacterial coating, specifically designed for use in the **food industry and healthcare settings**.

A critical requirement for these products is the availability of a certificate of compliance with unified sanitary, epidemiological, and hygienic standards.



COATING BENEFITS

The antibacterial coating is achieved through the incorporation of silver and copper nanoparticles directly into the paint material.

The technology eliminates the need for volatile toxic compounds, chlorine, and fluorine derivatives.

- **Silver (Ag)** disrupts the cell membrane, inhibits microbial respiration and DNA replication
- **Copper (Cu)** induces oxidative stress, damages microbial membranes and DNA/RNA



KEY PRODUCT FEATURES

Coating thickness	25 µm
Color**	RAL 9003 (Signal white)
Surface texture	Smooth
Gloss	Matte, semi-matte
T-bend	1.5–2T
UV-resistance	RUV 2–3
Corrosion resistance EN 10169	RC3
Abrasion resistance	Medium
Resistance to contamination	Medium

* Bacterial content is the number of microorganisms (bacteria, fungi, yeast) per unit volume

** New colors can be mastered upon request

APPLICATIONS



- Interior fit-out of healthcare settings: hospitals, treatment and preventive centers, clinics



- Interior fit-out of pharmaceutical production facilities, warehouses and pharmacies



- Interior fit-out of food industry facilities, including processing areas



- Interior fit-out of trucks, refrigerators and industrial freezers

CONTACT DETAILS

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