

Application of Stellmann Non-Slip to metals

Applying Stellmann Non-Slip coatings to metals, such as steel and aluminium, can be challenging due to their inherently smooth surfaces and limited bonding for coatings. To enhance adhesion, the use of a primer is essential, providing a chemical or mechanical bond between the coating and the metal. However, to achieve a similar adhesion of our coating to metals as to surfaces such as tiles, concrete, vinyl, etc. it is recommended to sand the surface first.

Surface Preparation

Before applying Stellmann Non-Slip to metal surfaces, it is recommended to sand the surface with a 400 grit pad to increase the surface area and improve primer and coating adhesion.

Primer Application

A standard Stellmann Clear Primer is a water-based primer is suitable for use on metals.

Application

Refer to the Stellman Non-Slip Clear PRO Technical Data Sheet for the installation instructions.

Checker Plate Steel

Please be aware that coatings applied to checker plate steel will see a significant increase in wear. The raised ridges in checker plate steel act as independent surfaces. Therefore, the ridges experience high localised impact and shear forces. Unlike flat surfaces, the geometry of checker plate causes stress to focus on narrow contact areas, leading to faster abrasion and wear. The rate of the wear depends on the amount of traffic. However, for high traffic areas a frequent re-application would be needed.