

Starter MM & MM31®

Cleaning, degreasing, corrosion protection and paint adhesion in 1 simple process

High-end chemical technology

- Environmental-friendly alternative for etching, phosphating, and cleaning processes
- Strong cleaning performance
- Excellent corrosion protection and paint adhesion
- The process is easily applied with minimal investment
- Multi-metal
- Save on energy, maintenance, wastewater and chemical costs

MM31® procedure chemical pretreatment



Step 1
Starter MM



Step 2
Rinse



Step 3
MM31®
Conversion coating



Step 4
Dry



Step 5
Coat

Process properties

Starter MM: Efficient and Sustainable Metal Cleaning

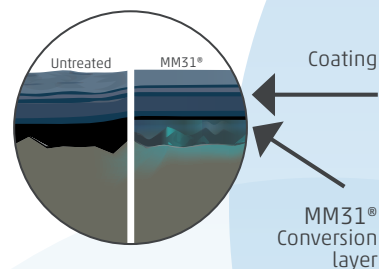
Starter MM is the solution of choice for cleaning metals. It effectively removes oxides, welding scale and light milling scale, can be applied at mild temperatures (20–35°C) and is pH neutral. This means it contributes to realisation of the Green Deal objectives, and is an environmentally friendly choice. Starter MM is optimised so that the drag-out has minimal impact on rinse water. Smart process optimisation that leads to water savings. The product is multi-metal, suitable for: aluminium, galvanised steel and steel, and ensures a perfectly cleaned substrate, ready to apply MM31® in the next step.

MM31®: Innovative Water-based Conversion Coating

MM31® provides a water-based conversion and passivation coating. This product is free of hazard symbols, making it safe and environmentally friendly. It degreases in a single step and applies a conversion layer. The applied layer improves the adhesion of both powder and wet paint and provides excellent protection against surface rust on steel, white rust on zinc and corrosion on aluminium. What's more, MM31® allows long-term intermediate storage without loss of quality.

MM31® meets strict international standards such as FROSIO, NACE, GSB, Qualicoat and Qualisteelcoat. It replaces solvents in the operational process, contributing to a safer work environment and less exposure to harmful substances for employees.

Take the next step toward achieving the Green Deal with Starter MM and MM31®.



MM31® test results

Regular process



Aluminium | 1 layer powder coating
| 1008 hr ASST

MM31®



Regular process



Aluminium | Epoxy + Top Coat
| 1008 hr ASST

MM31®





Multi-purpose |

As a substitute for solvents and to improve corrosion protection and paint adhesion



Multi-metal |

Can be used on steel, galvanised steel, aluminium, magnesium and stainless steel



Quality |

Meets the highest international standards



Sustainable & future-proof



Cost-saving



Operate at low temperatures



Powerful removal of oxides, welding scale and light milling scale, etc.



Increase quality

Application possibilities |



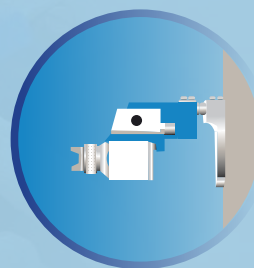
Cloth



Low-pressure pump



Hand-held spray gun with flow cup



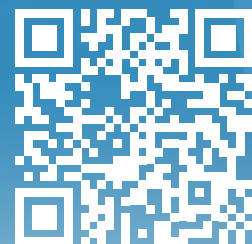
Automatic



Spray can



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