

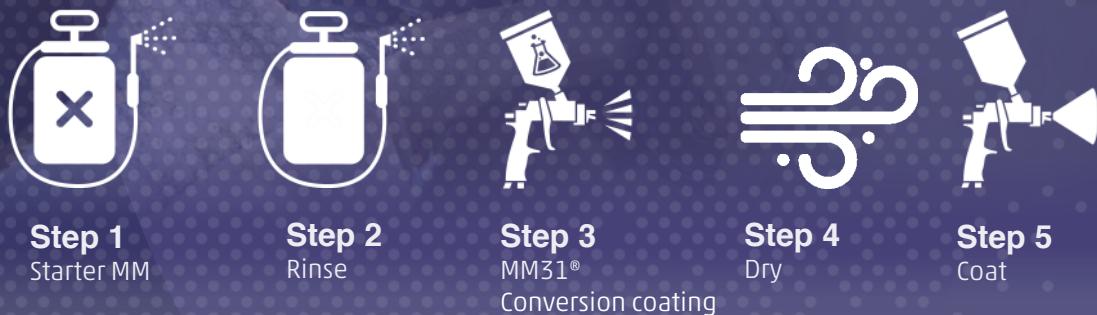
# Starter MM & MM31®

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



Process properties

### Starter MM: Efficient and Sustainable Metal Cleaning

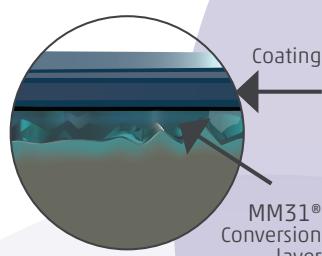
Starter MM is the solution of choice for cleaning metals. It effectively removes oxides, welding scale and light milling scale, can be applied at mild temperatures (20–35°C) and is pH neutral. This means it contributes to realisation of the Green Deal, objectives, and is an environmentally friendly choice. 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

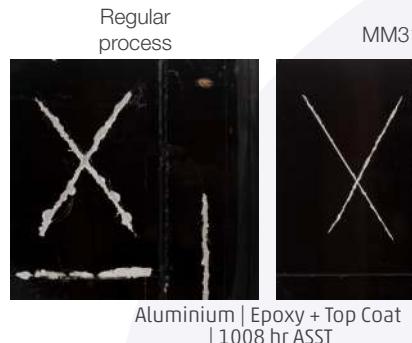
MM31® provides a water-based conversion and passivation coating. This product is free of hazard symbols, making it safe and environmentally friendly. It degreases in a single step and applies a conversion layer. The applied layer improves the adhesion of both powder and wet paint and provides excellent 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





## 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



Work with low temperatures



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



Increase quality

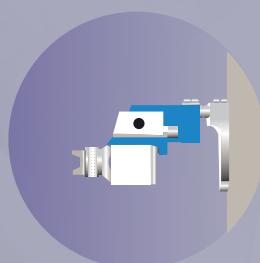
## Application possibilities |



With a cloth



Hand-held spray gun with flow cup



Fully automatic



@AD International B.V.



AD Chemicals is a part of AD International



[admetalsurfacetreatment.com](http://admetalsurfacetreatment.com)

The information provided in this leaflet as well as our technical service, verbal, in writing or by testing is being given to the best of our knowledge. It does not relieve the purchaser from examining the product upon delivery and gives no assurance of suitability of the product for any particular process or purpose. Our General Conditions of Sale and Payment are valid for each delivery.