



INDUSTRIAL METAL COATINGS SYSTEM GUIDE

METAL SYSTEMS

General Purpose Metal Systems- Mild Steel

The following systems are recommended for general industrial interior and exterior applications. Such applications include office furniture, shelving, electrical equipment, magazine racks, railings, fire boxes, drums, dispensers, vending machines, office equipment, gas cylinders, garbage disposal containers, signs, compressors, piping, silos, furniture, appliances, cabinets, door handles, bathroom fittings, picture frames etc.

Substrate	Primer	Topcoat	Coating Requirements
Mild Steel	All Purpose Primer	Hammer Finish	Fast drying, decorative hammer finish, wide colour offer available.
Mild Steel	All Purpose Primer	Structural Enamel	Fast drying and high quality, ideal for fabricated articles requirement assembly or packing soon after coating, interior use, high gloss, full range of AS2700 colours.
Mild Steel	All Purpose Primer	All Purpose Enamel	General-purpose, durable, fast air dry, interior/exterior, high gloss, full range of AS2700 colours.
Mild Steel	All Purpose Primer	Agricultural Enamel	High gloss acrylic modified alkyd system. Excellent exterior durability, gloss and colour retention, hardwearing, full range of AS2700 colours.

Single Coat Systems- Mild Steel

Mild Steel	Degrease only- no primer	Metal Primer 595	An anticorrosive, low sheen, primer/finish able to be tinted to a wide colour range. May also be top coated with Wattyl's Industrial Enamels for additional protection.
------------	--------------------------	------------------	---

Note: Structural Enamel, All Purpose Enamel and Agricultural Enamel may be used as single coat systems on mild steel. For optimum performance, All Purpose Primer or a multistage phosphate pre-treatment is recommended.



INDUSTRIAL METAL COATINGS SYSTEM GUIDE

General Purpose Metal Systems- Non-Ferrous Metals

Substrate	Primer	Topcoat	Coating Requirements
Non-ferrous metals	Super Etch Primer	Hammer Finish	Fast drying, decorative hammer finish, wide colour offer available.
Non-ferrous metals	Super Etch Primer	All Purpose, Structural or Agricultural Enamel	General-purpose, durable, high gloss system, full range of AS2700 colours.
Damaged galvanised surfaces	1 st coat: Cold Galvanising Primer (spot prime) 2 nd coat: Super Etch Primer	All Purpose, Structural or Agricultural Enamel	Excellent corrosion protection with a full gloss topcoat.
Galvanised surfaces	AquaPrep [®] Galvanised Iron Primer	All Purpose, Structural or Agricultural Enamel	Excellent corrosion protection with a full gloss topcoat.

Baking Enamel Systems- Mild Steel and Non-Ferrous Metals

Ferrous and non-ferrous metals	Super Etch Primer	High Bake Enamel 609	High bake, baking enamel with excellent gloss, adhesion and mar resistance. Available in wide range of AS2700 colours and custom made colours.
--------------------------------	-------------------	----------------------	--

Note: High Bake Enamel 609 may be used as single coat systems on mild steel. For optimum performance Super Etch Primer or a multistage phosphate pre-treatment is recommended. For non-ferrous metals, Super Etch Primer or a multistage phosphate pre-treatment is required.



INDUSTRIAL METAL COATINGS SYSTEM GUIDE

Industrial Equipment Systems- Ferrous and Non-Ferrous Metals

The following systems are suitable for use on heavy industrial equipment such as tractors, trucks, cement mixers, engine parts, fork lifts, farm machinery, earthmoving equipment, mining equipment etc.

Substrate	Primer	Topcoat	Coating Requirements
Mild Steel	All Purpose Primer	Agricultural Enamel	General purpose implement coating, petrol resistant. Improved chemical and abrasion resistance. Excellent gloss retention.
Non-ferrous metals	Super Etch Primer	Colourthane C-Series	Two pack polyurethane system with long term exterior durability, gloss retention, superior finish, colour accuracy and depth of image.
Mild Steel	Colourthane NS300 Non Sand Primer	Colourthane C-Series	A fast finishing wet on wet system with long term exterior durability, gloss retention, superior finish, colour accuracy and depth of image.
Mild Steel	Colourthane PF330 Primer Filler	Colourthane C-Series	Two pack polyurethane system with long term exterior durability, gloss retention, superior finish, colour accuracy and depth of image.
Ferrous and non-ferrous metals	EpinameI UC230	Colourthane C-Series	Two pack polyurethane system with long term exterior durability, gloss retention, superior finish, colour accuracy and depth of image. Combined with a sandable, white, high build anticorrosive epoxy primer.
Ferrous and non-ferrous metals	EpinameI PR250	Colourthane C-Series	Two pack polyurethane system with long term exterior durability, gloss retention, superior finish, colour accuracy and depth of image. Combined with a high build anticorrosive epoxy primer.



INDUSTRIAL METAL COATINGS SYSTEM GUIDE

Systems For Automotive Components- Mild Steel

The following systems are designed for use on automotive components such as radiators, mufflers, chassis, sub frames, towbars

Substrate	Primer	Topcoat	Coating Requirements
Mild Steel	Degrease thoroughly- no primer	Techcote 3000	A high performance, black, self phosphating single product system (not to be overcoated). Designed for automotive under body and under bonnet parts where maximum adhesion and corrosion resistance is required.
Mild Steel	Degrease thoroughly- no primer	Wattyl GMH Black	Black, nitrocellulose lacquer, quick dry for improved productivity. For automotive under body parts.

High Temperature Resistant Systems- Ferrous and Non-Ferrous Metals

The following systems are designed for to provide protection to steel substrates exposed to high operating temperatures.

Substrate	Primer	Topcoat	Coating Requirements
Mild Steel	Degrease thoroughly- no primer	All Purpose Enamel Aluminium	Heat resistant silver enamel up to 200°C
Non- Ferrous Metal	Super Etch Primer	All Purpose Enamel Aluminium	Heat resistant silver enamel up to 200°C



INDUSTRIAL METAL COATINGS SYSTEM GUIDE

This system guide is designed to assist in the selection of the correct coating system for your application by providing Wattyl's most common coating systems. The systems included are designed for new work or entire removal of existing coatings. Repaint systems require an understanding of the incumbent system. For assistance in coating selection for repaint specification please contact your local Industrial Coating Sales Representative or contact Valspar Customer Service on 132 101.

Correct surface preparation is critical for the long term performance, durability and quality of finish on any coating application. Refer to the appropriate Australian Standards in conjunction with the surface preparation sections of the Industrial Metal and Timber Specification and Product Manual for details on surface preparation methods.

For the most up to date information contact Valspar Customer Service Hotline or visit the Wattyl Website.

	Australia	New Zealand
CUSTOMER SERVICE HOTLINE	132 101	0800 735 551
WEBSITE	http://www.wattyl.com.au	http://www.wattyl.co.nz

Trademarks are the property of Valspar Paint (Australia) Pty Ltd.

1. This information, provided by Valspar Paint (Australia) Pty Ltd (hereinafter referred to as "Valspar"), is important to ensure that the listed product(s) perform according to the stated application and uses and must be followed to meet Valspar's warranties express and implied. Valspar advises that you (a) review the Technical Data Sheets (TDS) and Material Safety Data Sheets (MSDS) before you use or handle the product; (b) ensure that the product be used only in accordance with the information provided by Valspar and the product(s) be transported, stored and handled in accordance with the information on the MSDS and relevant TDS; and (c) thoroughly test the product, using the recommended application method on a sample of intended substrate, before using the product. 2. The information in this TDS was prepared using information gathered during product development. While Valspar endeavours to update this information and maintain the accuracy and currency of its contents, Valspar does not warrant that the information provided is current when the product is used or is wholly comprehensive. 3. For all product and non-product related information, Valspar recommends that you conduct such additional investigations as may be necessary to satisfy yourself of the accuracy, currency and comprehensiveness of the information on which you rely in using and handling the product. If you require further information please contact your nearest Valspar office before using the product(s). 4. To the full extent permitted by law, Valspar's liability for breach of a condition or warranty implied into the contract for sale between Valspar and you by law is limited at Valspar's election to: (a) the replacement of the product; or (b) payment of the cost of replacing the product. If coating rectification is required Valspar Technical Services shall be contacted prior to commencement. VALSPAR PAINT (AUSTRALIA) PTY LTD (ABN 40 000 035 914)