

Metal Finishing

Single Pack

Pre-treatment
Primers
Finishes

HMG

Coatings (South) Ltd

www.hmgcoatings.co.uk



PAINTS

Going Further

We believe our role as a supplier of industrial coatings is to provide a comprehensive range of services to our high quality product ranges.

To this end we have invested heavily in some of the most technically advanced colour matching equipment available combined with formulation software which incorporates batch to batch historical data to ensure your latest batch matches the very first batch.



We have also invested in both solvent based and water based, highly accurate computerised dispensing equipment to deliver fast and reliable colour mixes time after time.

This allows a rapid turn around on colour to meet the next day response many customers now require. Batch retain swatches are kept for every batch produced



Batch to batch quality is maintained by both a visual and spectrophotometer colour check against the std or previous batch. We also check sheen against a standard or previous batch.

For longer term durability and corrosion testing we have access to the Lab in HMG Paints Ltd based in Manchester. Here we can arrange for Neutral and Acidic Salt Spray Testing as well as Accelerated Weather Testing.



Introduction to Metal Finishing

The protection of metal can be in many forms and is carried out for many reasons that include
Increasing the life of the product

Protect the substrate from external conditions

Corrosion Resistance

Chemical Resistance

Fire Protection

Reduce slip

Cosmetic appearance

When deciding which coating system is most suitable a combination of the things need to be taken into account.

The first major influence on the choice of coating system is the type of metal to be coated. This can range from Ferrous and Non Ferrous substrates and includes, rolled steel, mild steel, wrought iron, stainless steel, aluminium, brass & copper to name a few

Secondly the required life of the product which could range from a few years up to 20+ years depending on what is being painted. The longer the required life the more pretreatment, higher film thickness and higher cost coating types. This must be weighed up against the value of the item, performance requirements and cost of future downtime and maintenance.

The first stage of any metal coating system is the pretreatment. It is essential this is correct as it is the build block of any system, get this wrong and the whole system will be compromised.

Pretreatment can range from surface blasting, chemical etching, mechanical abrasion / cleaning through to rubbing down with abrasive papers and degreasing with solvents

Other forms of protection can be incorporated as part of the coatings system to increase life expectancy and performance. These include Hot Dip Galvanising, Hot zinc and Aluminium spray, Anodising, Chromate free conversions and many more.

Next application method needs to be considered from basic brushing, roller, dipping, Conventional Spray, Airless Spray the application method will also have an influence on the final coating system.

We have split down our coatings systems into 3 main types.

Single Pack System - Easier application, No pot life, Lower cost

Two Pack System - Excellent finish, extended life, increased chemical resistance, harder wearing

Protective Coating System - Heavy duty protection for severe conditions over extended periods

We have compiled a Downloadable Digital brochure for each. Our team of experienced sales representatives are also always pleased to help you with your choices .

Pre-treatments

Ferrozinc Rust Convertor

High Performance water based rust convertor
Easily applied
Spray, roller or brush application
Colour change indicates when rust is neutralised
Out -preforms other rust conversion products
Ideal preparation when blasting is not possible
HMG Brand

Mordant Wash (T Wash)

Manufactured to original formulation used by
British Rail
Etching solution for Galvanised steel and zinc
surfaces
Galvanised surface turns black when
application has been successful
Easy application by brush or spray
Use in conjunction with Powder and wet paints
HMG Brand



ST3000 2K Chromate Free Etch

New Generation of Chromate Free Etch
Replacement for chromate etch
Very fast drying
Excellent corrosion resistance
Overcoats with single and two pack products
Can be used in stoving systems
Can be used under powder coating
Salt Spray in excess of 1000 hours
Virtually same appearance as chromate etch
Applied at a DFT 5-10 microns max
HMG Brand

SAH11 Chromate Free Etch Coloured Primers

Unique chromate free etch
Virtually any solid colour can be made
Can be used as a 2 Pack (KR08 activator)
Can be used as single pack (2691 thinner)
Fast drying
Anti corrosive
For use in Single and 2 pack systems
Can be used in Stoving systems.
HMG Brand

Degreasing Products

Prepclean Range -**HMG Brand**

2801 Mild anti static for painted surfaces
2802 Solvent based heavy duty bare metal
2803 Low odour slow evaporating bare metal
2804 Water based degreaser for bare metal

Own Label -**Synergy Brand**

H30 - Economic strong fast for bare metal
Panel Wipe - Mild solvent degreaser

LMC Black Etch

Supplied at a viscosity ready for Dip or
Spray
Provides an excellent base for single
pack
and two pack systems
Originally developed to pre treat
replacement aluminium body panels in the
automotive industry
Anti Corrosive properties
HMG Brand



Air Dry Primers



HBZP Primer - Synergy Brand

HB05 Primer - HMG Brand

Alkyd based high build primers.
Excellent adhesion
Good moisture resistance
Contain Zinc Phosphate.
Fast drying
Easy to re coat
Wide Std colour range
Customised colours available
Airless or conventional application

Low Odour Brushing

High Opacity
Brush or spray application
Anti Corrosive
Virtually any colour can be made
High Flash
Semi Matt
Primer finish
Synergy Brand

Synthetic BDX Primer

High Flash Point of 38 Deg C
Low odour
Fast drying
Spray or brush application
Ideal primer for BD Rapid
High Build
Excellent sand ability
Recoat with most synthetic finishes
Wide colour range available
Customised colours
HMG Brand

Speedbuild 3 Primer

Superior high build, high solids
Anti-corrosive primer/undercoat
Over coatable with single or two packs
Commercial vehicle primer
High quality industrial finishing
Long wet edge with quick drying
Excellent adhesion
Superior sand-ability.
Good gloss hold up
HMG Brand



Zinc Rich Primer

High Zinc Content single pack primer
67% Zinc Content in dry film
Gives Zinc Protection to shot balsted steel
Can be used on clean prepared steel
Brush, roller and spray application
Weldable primer
Over coat with suitable air drying finishes
Useful where additional parts are added to galvanised steel on site
Synergy Brand

Vinyl MIO

Highly flexible primer
Chip Resistance Primer
Direct use on Steel & Galvanised
Ideal coating for patch priming cladding
Suitable for use in coastal locations
Excellent Moisture resistance
Good scratch & abrasion resistance
Available in all popular colour ranges
Specially matched colours available
Can be used as MIO finish coat
Synergy Brand



DG142 Undercoat

High Opacity
Excellent brushing characteristics
Extended wet edge
Ideal for vintage restoration
Suitable for long boats, steam engines etc
HMG Brand

Bitumen Black

Economic protection
Goos anti corrosive protection
Good water resistance
Fast Drying
Use on Steel, Galvanised, aluminium
Protection for concrete, stone & brick
Synergy Brand

Air Dry Finishes

QD11

Fast drying and economical
Touch dry in half an hour
All popular colour ranges
Specially matched colours
Ideal Plant enamel
Tough and durable finish
Fast Handling Properties
Anti bubble can be added for roller use
Various spray applications
Synergy Brand

QAD (Non Cell)

Extremely fast drying and hardening
Excellent durability
Very easy to apply
All popular colour ranges
Specially matched colours
Ideal in applications requiring fast turn
Range of sheen levels
Various Spray applications, brush (small areas)
Anti bubble can be added for roller use
HMG Brand



C71 Enamel

High quality 2 hour synthetic
Fast surface drying
Good through drying
Minimum yellowing
Outstanding hardness and toughness
Good resistance to oils, fats, cutting oils
Available in all popular colour ranges
Specially matched colours available.
Ideal choice for machinery enamel.
Heat resistant up to 200 C
HMG Brand

ME11

Medium Drying topcoat
Formulated on a high quality resin
White spirit thinable
Specially formulated for use on
Agricultural implements
General machinery paint
Resistant to a range of oils and petrol.
Synergy Brand

JC12 Polyurethane 1pk

High Solids
VOC compliant to PG6(34)& PG6(23)
Designed for vehicle trailers & chassis,
Agricultural implements and machinery
Improved durability and film hardness
Increased resistance to cleaning
chemicals
Available in all popular colour ranges
Specially matched colours available.
Good wet edge time
Excellent Gloss
Synergy Brand

Coach Enamel

Traditional Long Oil Alkyd
Brush and roller application
Long wet edge time reducing brush
drag
Ultimate high gloss and durability
Good scratch and build filling
Excellent water resistance
Available in all popular colour ranges
Specially matched colours available.
Many vintage colours on record
Can also be used on wood
HMG Brand



Air Dry Finishes



V12 Vinyl

Highly flexible
Chip resistance Primer Finish
Direct onto Mild Steel & Galvanised
Ideal for steel cladding refurbishment
Suitable for use in coastal locations
Available in all popular colour ranges
Specially matched colours available.
Attractive Eggshell finish
Synergy Brand

PVC 17

Designed for use on "difficult Surfaces"
Primarily designed for plastics but
excellent coating for Plastisol building
cladding
Outstanding adhesion and flexibility
Touch up for abraded powder coating
HMG Brand

Multi Surface Water based Coating FR20

Adheres directly to Galvanised Steel
Carbon Steel, Aluminium, Plastisol
Cladding, glass, ceramic tiles, GRP
Also many rigid plastics.
Also Concrete and masonry
Non Toxic and lead free
RAL, B.STD and matchings
Attractive Sheen finish
Application by Airless/ Air assisted Spray,

Synergy Brand

OCF 4 & OCF 7 One Coat Finishes

Primer & Finish in one coat
Incorporates anti corrosive pigments
Direct application to most surfaces
Time and cost savings
Fast drying
Application inc Airless Spray,
Conventional spray, pressure pot
High Semi Gloss finish - OCF7
Low sheen 40% -OCF4
All popular colour ranges
Specially matched colours
Ideal container or skip paint
Synergy Brand



BD Rapid

Next generation of fast drying finishes
Flash point in range of 25-32 Deg C
Faster drying than conventional finishes
in this flash point range
Touch dry with 30 minutes
Will brush and spray
Lower odour
All popular colour ranges
Specially matched colours
Ideal for High Quality Industrial
Equipment and agricultural machinery
HMG Brand

Chlorinated Rubber

Chemical and Acid resistant coating
For areas requiring high levels of moisture
and chemical resistance
Can be used for maintenance painting.
Protect steel fabrications in harsh conditions
Swimming pool environments
Good resistance to alkalis and acids
Equipment used in difficult environments
Wide colour range
Synergy Brand