

Plastic Finishing

Single Pack
Two Pack
Water Based

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 with 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.



Plastic Finishing

Over the past decade the coating of plastics has become very wide spread. Coatings manufacturers have developed numerous coatings suitable for the many types of plastic.

Why Paint Plastic ?

Plastics are often coated for one of the following reasons:

To hide surface imperfections

Achieve high quality finishes similar to painted metal parts

Reduce tendency for plastics to scratch and mark

Economic alternative for some colours requiring large batch runs of plastic specially made

Allow special colours, metallics, sheen levels and textures to be applied

Why is testing always advisable ?

Due to the many variations that can take place in the finished plastics and release agents often used it is not possible to be 100% sure that a specific batch of plastic will behave the same as that from another supplier or sometimes even the same supplier

For this reason it is important that the applicator tests the paint for suitability on different batches of plastic before proceeding with coating a full batch of items

How should I prepare the plastic for coating ?

Depending on the plastic type preparation will range from

Basic solvent wipe with a mild antistatic cleaner and lint free cloth,

Light abrasion using a Grey Scotchbrite pad or 600 grit paper combined with a antistatic cleaner

Antistatic Cleaner wipe combined with an adhesion promoter

What are the most common plastic abbreviations ?

ABS	acrylonitrile -butadiene-styrene
ASA	acrylate-styrene-acrylonitrile
DMC	dough moulding compound
EPDM	ethylene-propylene-diene monomer (elastomer)
GRP	glass reinforced plastic
HDPE	high density polyethylene
HIPS	high impact polystyrene = TPS
PA	polyamide = nylon
PC	polycarbonate
PMMA	polymethyl methacrylate = Acrylic
PP	polypropylene
PPE	polyphenylene ether = Noryl
PPO	polyphenylene oxide = Noryl
PS	polystyrene
PVC	polyvinyl chloride
PVCP	polyvinyl chloride plasticised
PVCU	polyvinyl chloride unplasticised
SMC	sheet moulding compound

Coatings Selector Guide - Plastics

KEY = Direct X* =primer optional * = Use primer first

Substrate	Primer	Solvent Based Finish	Water Based Finish	Cleaner Options
ABS	Polykote MU / HS Rapid PP Primer/ Nisocoat PR	PVC17 / Nisocoat x* / SC601 x*		Prepclean 2808
Acrylic	Polykote MU / HS Rapid Nisocoat PR	PVC17 / Nisocoat x* / SC601 x*		Prepclean 2808
DMC Polyester	Polykote MU / Polykote HS	SC601 x*		Prepclean 2808
DCPD	Polykote MU / HS Rapid PP Primer / EP2	Nisocoat x* / SC601 x*		Prepclean 2808
Foamex	Nisocoat PR	PVC17 / SC601	PLW16	
GRP Phenolic	EP2 / Epiprime	Nisocoat x* / SC601 x*	Hydroprime / Hydrothane	Prepclean 2808 Prepclean 2805
GRP Polyester	Polykote MU/ HS Rapid Nisocoat Primer	Nisocoat x* / SC601 x*	Hydroprime / Hydrothane	Prepclean 2808 Prepclean 2805
H.I.P.S		PLS20		Prepclean 2808
Nylon	SAP1	PVC17		Prepclean 2808
Polycarbonate	Polykote MU/ HS Rapid Nisocoat Primer	PVC17 / Nisocoat x* / SC601 x*		Prepclean 2808
Polypropylene	Uplast	PVC17* / Nisocoat * / SC601*		Prepclean 2808
Polystyrene		PLS21		Prepclean 2808
Polystyrene Foam		PLS20		Prepclean 2808
PVC Flexible		V12	PLW16	Prepclean 2808 Synergy 70 - PVC sheeting only
PVC Rigid	Polykote MU/ HS Rapid	PVC17 Nisocoat x* /SC601 x* V12	PLW16	Prepclean 2808
PVCu		PVC17 / SC601		Prepclean 2805 new Prepclean 2806 old
PU Foam Flexible			PLW17	Prepclean 2808
PU Foam Rigid	Polykote MU/ HS Rapid / Nisocoat Primer	Nisocoat x* / SC601 x*	PLW17	Prepclean 2808
SMC polyester	Polykote MU/ HS Rapid / EP2 Primer	Nisocoat x* / SC601 x*		Prepclean 2808

We recommend all substrates and coatings are tested for suitability before applying to actual items to be coated. In choosing the most appropriate coating for plastic a number of considerations need to be made. Adhesion, embrittlement, flexibility, durability, feel, sheen, application method, interior or exterior exposure. Identifying the exact plastic type, and any release agents left on the surface is essential and we always recommend full trials are carried out to ensure suitability before applying to the final work

Paints for Plastic - Solvent Based Single Pack

PLS20 - Low Attack Styrene Finish

Coating for weak Polystyrene Mouldings
Spray application to High Impact Polystyrene
Substrate(HIPS)
Good flow & opacity produces smooth finish
Fast touch dry with good abrasion resistance
Available in various texture grades

Primer SPF2 also available in white

Synergy Brand

PLS21- (Polystyrene) Finish

Coating for Flexible & Rigid Polystyrene
Fast Drying (5 mins)
Good flow,
Excellent Gloss & Colour retention
Hard wearing with good marr resistance
Suitable for fast production processes
Available in various texture grades

Primer SPP1 also available

Synergy Brand



PVC17

Flexible coating for use on ABS, PVC, Acrylic, Foamex and difficult Plastics
Excellent coating for Plastisol Coated cladding
Can be used on abraded powder coating
Can be applied by spray or brush
Available in various texture grades

HMG Brand

V12 - Vinyl

Coating for most rigid plastics
Can be used on Platisol cladding
Very Flexible
Touch dry within 30 minutes
Available in a gloss and low sheen
Available in various texture grades

Synergy Brand

SAP2 Nylon Adhesion Promoter

Clear Adhesion promoter for Nylon substrates
Fast drying with excellent adhesion
Brush or dip application

Synergy Brand

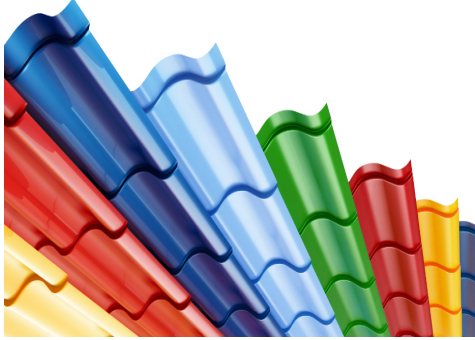
Uplas Adhesion Promoter

Clear adhesion promoter for Polypropolene and other difficult plastics
Semi clear straw colour
Fast drying
Easy application and re coat ability
Extensively used in plastics industry

HMG Brand



Paints for Plastic - Solvent Based Two Pack



EP2 Epoxy Primer

Medium Solids Epoxy
Isocyanate free
Excellent adhesion to steel and some plastics inc DCPD and SMC
Can be over coated wet on wet within 45 mins
Available in virtually any colour from our tint system
Can also be used as a primer for ferrous and non ferrous metal making it ideal for multi surface combinations

HMG Brand

Polycote MU Primer

Very fast drying primer for many plastics
Primer surfacer offering high build
Can be used as a “wet on wet” primer
Offers excellent early sanding properties
Easily Recoatable
Can be tinted

HMG Brand

Polycote Rapidbuild

Isocyanate cured polyurethane acrylic
Fast drying
Very good build
Can be used as a primer filler
If used as a thin coat can be used a surfacer on previously painted surfaces
Excellent flattening characteristics
Contains anti corrosive pigments
Can be used on many types of plastics & GRP. Also used to prime MDF
Excellent gloss hold up

HMG Brand

Nisocoat Iso free Primer

Isocyanate Free Acrylic primer
Fast Drying
Recoat after 30 mins
Suitable for a range of plastics inc ABS,PC, Acrylic,Foamex
Can also be used on steel as it contains anti corrosive pigments
Available in grey

HMG Brand



SC601 2 Pack Acrylic

Excellent Gloss & Colour retention
High resistance to weather and chemicals
Full range of gloss levels
Direct application to many plastics
Can be used with other Hmg 2 pack primers
Fast drying with good wet edge
1000's of colours available inc RAL
B.Std PMS, customer's own colours
Available in various texture grades

HMG Brand

Nisocoat 2 Iso Free 2Pk Acrylic

Improved paint shop safety with no isocyanate curing agents
Excellent gloss & Colour retention
High resistance to weather and chemicals
Full range of gloss levels
Direct application to many plastics
Compatible with all HMG 2 pack primers
1000's of colours available inc RAL
B.Std PMS, customer's own colours
Available in various texture grades

HMG Brand

Paints for Plastic - Water Borne



Synergy PLW16 (Water Borne) for PVC

Flexible coating for PVC
Can be applied to Foamex
Also used on Bouncy Castles
Aqueous, non toxic, non flammable
EPA compliant
Excellent adhesion
UV stable
Good flexibility
Fast touch dry 15 mins
Excellent coverage
Easily Recoatable
Increased mileage in comparison to solvent based
Can be stored and transported easily
1,000's of colour options
Available in various texture grades

Synergy Brand

Synergy PLW17 (Water Borne) for Polyurethane

Coating for Flexible & Rigid PU components
Good flow and marr resistance
Quick dry 15 mins
Easily Recoated
Can be stored and transported easily
1,000's of colour options
Brush or spray application
Available in various texture grades

Synergy Brand

Hydroprime Water Based 2pk Epoxy Primer

Waterbased epoxy primer
Suitable for GRP, many rigid
plastics and metal substrates
subject to sample testing.
Rail Approvals
Fast curing
Wet on Wet application possible

HMG Brand

Hydrothane Water Based 2pk Polyurethane Finish

Very high quality water based
Polyurethane finish
For use in conjunction with
Hydroprime 2K primer
Anti Graffiti coating
Rail approvals
Very marr and scratch resistant
Wide colour range available
Can be used directly to certain
rigid plastics

HMG Brand

