



# GSI Creos

*Produce the Future*

## Mr. HOBBY USER GUIDE



[www.mr-hobby.com](http://www.mr-hobby.com) - Global Hobby Workstation - [www.pageley.com.au](http://www.pageley.com.au)

GSI Creos Corporation of Japan are the producers of the world renowned Mr.Hobby (Aqueous Hobby Color in export markets) and Mr.Color model paints, finishing materials and model and hobby accessories.

GSI are well known for the high quality of their model paints, which were first introduced 40 years ago. They are produced using the finest quality materials and enable enthusiast modellers and beginners alike to finish their models to the highest degree possible.

Aqueous Hobby Color and Mr.Color paint codes are cited in the instruction sheets of the majority of Asian plastic models kits and are produced in one of the widest ranges of model paint shades available today.

In addition to their extensive ranges of model paints, GSI Creos also produce many modelling accessories and finishing materials, to enable modellers to add that final finishing touch for a first class result.

We do hope that this GSI Creos User Guide will assist you in you use of GSI Creos Mr. Hobby modelling products!

For further guidance and details of our product ranges, please refer to:

[www.mr-hobby.com](http://www.mr-hobby.com)   Global Hobby Workstation   [www.pageley.com.au](http://www.pageley.com.au)



## AQUEOUS HOBBY COLOR PAINTS

Aqueous Hobby Color is a very safe paint which has a high degree of user friendliness.

Aqueous Hobby Color paint can be diluted with water if desired, while paint brushes can be cleaned and washed out in water. Ensuring that this is done before the paint is dry!

The solvent contained in Aqueous Hobby Color paint is very mild. It provides a glossy texture and very good levelling qualities (ie the smoothness of coated film of paint), resulting in a very good level of painted finish. In particular, the gloss level achieved with the use of Aqueous Hobby Color gloss paints is excellent.



Gloss levels obtained using gloss coat Aqueous Hobby Colors can be adjusted by using H-40 Flat Base - mix approximately 15% of H-40 Flat Base to convert gloss colors to a matt finish, or 5 to 10% for a semi gloss finish. The percentage of Flat Base used can be adjusted to vary the amount of gloss level obtained.

It is not necessary to dilute Aqueous Hobby Color for brush painting as a basic rule, but if using an airbrush to spray Aqueous Hobby Color, dilute the paint with 10 to 15% Mr. Aqueous Hobby Color Thinner (T-110 or T-111).

Water can be used to thin the Aqueous Hobby Color paint for this purpose also, but is not recommended. The use of water may result in the introduction of foreign matter contained in the water supply, and can result in longer drying times, and a lack of richness of color in gloss coats.

When brush painting, generally 1 to 2 coats are recommended, and 2 to 3 coats when using an air brush. If painting a light color over a darker base surface, more coats of paint may be required.

### Aqueous Hobby Color Formula Renewal

The formula of Aqueous Hobby Color model paint has recently been updated to meet the high standards of the 21st century! This has brought many benefits, including:

Increased drying speed

A tougher, more durable surface coat when dried

Reduced odour

A smoother surface when paint is dry

Higher gloss level on gloss paints

Flat surfaces have an increased degree of matt finish

Metallic paints dry with a much brighter and stronger finish. There is greatly reduced surface whitening due to ageing.

More pigment is used in the paints, resulting in a more even coat with greater covering power.

Renewal formula is completely compatible with the previous Aqueous Hobby Color formula.

Existing GSI Creos Mr Hobby Thinners are suitable for use with the new formula paint.



## Mr.COLOR HOBBY PAINTS



Mr. Color hobby paint is a paint that has long been regarded highly by modellers world wide as a model paint that delivers an outstanding finish. There are a large number of colors and color types available, which are suitable for painting almost all models.

Generally, Mr. Color provides a wider range of paint colors and finishes than Aqueous Hobby Color and will dry to a smoother and harder finish.

The use of Mr Thinner is required to thin Mr. Color paint, both to thin paint if desired, and also to clean paint brushes and airbrushes. Mr Thinner is Available in 3 types (standard Mr. Thinner, Mr. Rapid Thinner and also Mr. Levelling Thinner) and four sizes 50ml, 110ml, 250ml and 400ml.

When applying Mr. Color paint, 1 to 2 coats are recommended when using paint brushes, and 2 to 3 coats if using an airbrush to spray paint.

If airbrushing Mr. Color paint, it should be thinned after diluting to a ratio of between 1 (Mr. Color) and 1 to 2 (Mr. Thinner), depending on the degree of paint viscosity required.



Gloss levels obtained using gloss coat Mr. Color hobby paints can be adjusted by using Flat Base mix approximately 5 to 10% of C-30 Flat Base to convert gloss colors to a semi gloss finish, or 10 to 20% for a matt finish. The percentage of Flat Base used can be adjusted to vary the amount of gloss level obtained.

## Mr.COLOR GX PAINTS

Mr. Color GX hobby paints improve on the qualities of Mr. Color hobby paint, and take them to the next level. They feature quick drying and a very hard coating when dry.

Mr. Color GX paints feature brighter color development, greater covering power and dry to a smoother and harder finish than regular Mr. Color hobby paints. These features have been realised without the use of toluene.

Mr. Color GX paints can be mixed with standard Mr. Color paints currently on the market, and use Mr. Color Thinner, Mr. Rapid Thinner or Mr. Levelling Thinner for paint dilution or cleaning of paint brushes and airbrushes.

If spraying, attempt an extremely fine spray - use an airbrush with a bore diameter of 0.3mm or greater.



## Mr.COLOR SUPER METALLIC 2

Mr.Color Super Color Metallic 2 model paints are the ultimate in buffable and polishable metallic paints, designed to provide the ultimate polished metal surface for your model.

They maintain the high quality finish and colour range provided by the original Super Metallic paint series, but are now at a far more affordable price point.

Mr.Color Super Metallic paints are a lacquer based paint – use Mr.Leveling Thinner to dilute, and Mr.Tool Cleaner to clean up paint brushes and airbrushes

- SM201 - SUPER FINE SILVER 2
- SM202 - SUPER GOLD 2
- SM203 - SUPER IRON 2
- SM204 - SUPER STAINLESS 2
- SM205 - SUPER TITAN 2
- SM206 - SUPER CHROME SILVER 2
- SM207 - SUPER RICH GOLD
- SM208 - SUPER DURALUMIN
- SM209 - SUPER COPPER

Apply Mr.Top Coat Clear or Mr Super Clear or Mr Super Clear UV Cut to prevent oxidation and result in a durable finish.



## Mr.METAL COLOR PAINTS

When polished, Mr.Metal Color hobby paints reproduce the gleam of real metal, something no ordinary hobby paint can ever do. How do you obtain this effect?

If applying Mr.Metal Color hobby paint by brush, always paint in the same direction, eg.left to right, or top to bottom.After the paint has dried, use a piece of gauze, tissue, or an old cloth etc. to gently polish the paint.

Different interesting effects can be obtained depending on how strongly the paint is polished. Use different polishing techniques for different effects, eg. no polishing will result in a matt effect, while gentle polishing, or more strong polishing will result in a more highly burnished effect.

Thin Mr.Metal Color paints with either Mr.Color or Mr.Leveling Color Thinners.

Apply Mr.Top Coat Clear or Mr Super Clear or Mr Super Clear UV Cut to prevent oxidation and obtain a durable finish.



## Mr.CEMENT

Mr.Cement is the appropriate liquid cement to use when you are looking to attach plastic parts together. It is the best choice when gluing together styrene plastic model kit parts.

Mr Cement has high adhesion and strong strength because it contains high quality resins. Each bottle contains a handy application brush inside the bottle cap. MC124 and MC127 contain the same liquid cement, but MC124 contains 25ml and MC127 contains 40ml.



## Mr.CEMENT S

### Mr.CEMENT S MC129

Mr Cement S is a thin (low viscosity) liquid cement that features strong gap filling properties, as capillary action will spread the cement to fill small cracks and joints when cementing together plastic parts.



## Mr.CEMENT SP

### Mr.CEMENT SP MC131

A new type of brushable adhesive! Compared with previous brushable adhesives, the drying speed has been dramatically improved and adhesive strength enhanced.

Use Mr.Cement SP together with MC129 Mr.Cement S which is suitable for gluing while fine tuning component positioning.



## Mr.DISSOLVED PUTTY

### Mr.DISSOLVED PUTTY P119

Mr.Dissolved Putty is a highly effective liquid sealant putty with even better viscosity than Mr.Surface 500. This product makes sealing rough sections of plastic models incredibly easy.

Use Mr.Surface 500 for surface work and the Mr.Dissolved Putty to smooth rough edges and sections. Thin Mr.Dissolved putty with Mr.Color Thinner



## Mr.WHITE PUTTY

### Mr.WHITE PUTTY P118

Mr.White Putty is now even better! It is ideal for filling small gaps and dents.



The meticulous fine detail remains but workability is even better. Experience for yourself how the putty smoothness is better than ever. We have given Mr.White Putty exceptional resistance to paint absorption and a shade of white that has little effect on the final coat.

## Mr.WHITE PUTTY R

### Mr.WHITE PUTTY R P123

Mr.White Putty R is a low viscosity version of Mr.White Putty. Because of the reduced viscosity, it is easier to apply to a small area compared with the existing product.



After it has hardened, it provides a smooth cutting quality extremely close to the original plastic model material.

## Mr.MARK SETTER

### Mr.MARK SETTER MS232

In the past, Mr. Mark Softer was used as the first choice to soften decals. However, now Mr. Mark Setter includes an adhesive component, which gives decals greater adhesion to plastic parts) it is much easier to affix decals to plastic model part where the parts either have a rough or irregular surface.

#### How To Use Mr.Mark Setter

First, the area to which the decal will be affixed is painted and then the decal is applied. After any air bubbles are removed by pressing on the decal with a cotton swab, a coating of Mr.Mark Setter is applied and allowed to dry. Because the decal now has a greater degree of adhesion, adhesive silvering (the floating and shiny quality of the clear parts of decals) will be greatly reduced or eliminated, and decals can be firmly affixed to uneven surfaces. It is perfect even for poorly made decals from Eastern European models. Decals will have greater adhesion if the painted surface is first prepared with a gloss finish.



## Mr.MARK SOFTER

### Mr.MARK SOFTER MS231

Mr.Mark Softer is a softening agent designed to be used with decals (slidemarks). It enables decals to conform to rough and curved surfaces.

#### How To Use Mr.Mark Softer

First, apply a small drop of Mr.Mark Softer to the area where the decal will go using the brush attached to the bottle cap.

Apply the decal over this area.

Apply gentle pressure to the decal with a soft cloth, removing any excessive liquid and ensuring that the decal down fast.



## Mr.MARKING SOL NEO

### Mr.MARKING SOL M132

Mr.Masking Sol uses a gum different to that used in other types of masking solutions to smooth out peeling after painting is finished.

This new masking sol action prevents paint absorption when applying masking solution over a large area and when air brushing.

- \*Apply MASKING SOL where you need it evenly with a brush.
- \*After it dries within 20~30min., it becomes translucent.
- \*Cut unnecessary parts away neatly with a design knife, etc. leaving masked parts, and then apply paint.
- \*When the paint has dried completely after painting, peel off the MASKING SOL.
- \*MASKING SOL is water soluble, so brushes wash out with water.



## Mr.MARKING SOL R

### Mr.MASKING SOL R M133

Mr.Masking Sol R contains a new formulation which can be readily applied cut, and removed after use. This product has the same characteristics as the previous Mr.Masking Sol M131, which is no longer manufactured. It is a water soluble product, so when it thickens during usage, you can thin it out with tap water for extended use.

- \*Apply MASKING SOL where you need it evenly with a brush.
- \*After it dries within 20~30min., it becomes translucent.
- \*Cut unnecessary parts away neatly with a design knife, etc. leaving masked parts, and then apply paint.
- \*When the paint has dried completely after painting, peel off the MASKING SOL.
- \*MASKING SOL is water soluble, so brushes wash out with water.



## Mr.BASE WHITE 1000

Mr.Base white is useful for covering black, red or other dark colored surfaces with a white undercoat, which is the ideal base to paint over with light coloured paint shades.

This newly developed product uses special pigments to completely hide the base color and aids the application of detailed finishing and top coats. Because it also works as a surface primer, it can be used to hide small imperfections.

Available in both bottle and spray forms

SF283 bottle / B518 Spray

Use Mr.Color Thinner to thin Mr.Base White



## Mr.SURFACER 500

The least fine of GSI Creos surfacers, at 500 grade. Ideal for filling larger or more damaged areas of plastic mouldings. This is the most versatile of the range of GSI Creos surfacers.

Available in both bottle and spray forms

SF285 bottle / B506 spray

Use Mr.Color Thinner to thin Mr.Surfacer 500



## Mr.SURFACER 1000

Mr. Surfacer 1000 contains finer granules than Mr.Surfacer 500. They are both used in much the same way but due to the finer granules contained in Mr Surfacer 1000, after sanding with waterproof sandpaper, a perfectly smooth surface is possible.

Available in both bottle and spray forms

SF284 bottle / B505 spray.

Use Mr.Color Thinner to thin Mr.Surfacer 1000





## Mr.FINISHING SURFACER 1500 GRAY

This surfacer can be applied to give a final finish to the surface more smoothly. It has the characteristic of being fine grained and so it is not prone to clogging up fine details in the moulded parts. It is suitable not only for applying a base coat before painting, but also for surface finishing of an original mould before casting.

Available in both bottle and spray forms  
SF289 bottle / B527 spray.

Use Mr.Color Thinner to thin Mr.Surfacer 1500



## Mr.MAHOGANY SURFACER 1000

A surfacer in mahogany color (dark brown). This surfacer can be applied to smooth the surface, but it can also be applied as a dark brown base paint shading color, thus giving depth to the end result after the basic color is applied on top.

Available in both bottle and spray forms  
SF290 bottle / B528 spray.

Use Mr.Color Thinner to thin Mr.Mahogany Surfacer



## Mr.FINISHING SURFACER 1500 WHITE

Mr. Finishing Surfacer provides a smooth finish on the surface of parts and does not easily fill in fine engraved and moulded areas. The white Finishing Surfacer is most suitable for final finishing before painting a character model or car, aeronautical or military model, or for final finishing of the base form of figure painting that calls for bright colors

Available in both bottle and spray forms  
SF291 bottle / B529 spray.

Use Mr.Color Thinner to thin Mr.Finishing Surfacer



## Mr.PRIMER SURFACER 1000

This is a surfacer incorporating a primer (base filling paint). The surfacer material used is Mr. Surfacer 1000, which is gaining overwhelming popularity for plastic models, and has been improved for this product. Surface attachment has been enhanced not only for plastic models but also for metal models including photo etched parts and also resin models. Spray and bottle types are available. The color of the primer surfacer is grey.

Available in both bottle and spray forms  
SF287 bottle / B524 spray.

Use Mr.Color Levelling Thinner T106, T108  
for thinning Mr.Primer Surfacer 1000



## Mr.OXIDE RED SURFACER 1000

This surfacer reproduces the rust-proofing color used as the base color on tanks. Base coat painting on tanks can be done in one go, so that you can start painting the exterior within a shorter time.

We have made this the same grade as the widely used Surfacer 1000.

Available in spray form only – B525.



## Mr.FINISHING SURFACER 1500 BLACK

This is a black version of the GSI Creos Finishing Surfacer. The black base allows the omission of the painting of a black coat before applying a metallic color and reduces the paint thickness.

Available in both bottle and spray forms  
SF288 bottle / B526 spray.



## Mr.FINISHING SURFACER 1500 PINK

This is a Pink version of the GSI Creos Finishing Surfacer.

Available in bottle only SF292



## AQUEOUS SURFACE PRIMER JARS

GSI Creos Aqueous Surface Primer Jars:  
At last water based surfacer primers are available!

These surface primers have been developed based from the renewal version of water based Aqueous Hobby Color released in 2020.

They have much less solvent odour and are safer to use.

They are an epoch making product that can fill surface scratches and prepare an ideal base before painting.

Available colours are colours are grey (in both 1000 and 500), white (1000), black (1000).

If you use the bottle type with a brush, you can apply the primer it as it is.  
When using with an airbrush, dilute the primer 1: 1 with water or T110 or T111  
Aqueous Hobby Color Thinner



## AQUEOUS SURFACE PRIMER SPRAYS

GSI Creos Aqueous Surface Primer Sprays:

Water based developed from Aqueous Hobby Color.

Low solvent for greater comfort and safety .

The perfect base for water based paints such as Aqueous Hobby Color.

Fills the surface scratches and prepares the base for painting.

Shake can well before and during use.

Hold can approx 25cm from surface to be sprayed. Dont stop in the middle of making a spray pass.



## Mr.COLOR SPRAY

Mr.Color Spray aerosol spray version of the well known Mr.Color range of paints.

For best results, it is recommended to gently warm the spray can for five minutes in a bowl of warm water. This will reduce the viscosity of the paint in the spray can.

Shake the spray can well, for approximately three minutes. You will hear the sound made by the metal ball placed inside the can to encourage thorough mixing.

Spray in even straight strokes from side to side. When finished spraying, hold the can upside down, and spray until no paint emerges, to clean the fine paint nozzle.



## Mr.TOPCOAT CLEAR SPRAYS

Mr Topcoat Clear Sprays enables a more realistic effect through the elimination of brush marks in the painted surface coat.

Mr.Topcoat is ideal to seal in and protect decals without blemishing the decals. It results in a smoother and more attractive finish.

Mr.Topcoat Can be applied over Mr.Color, and Aqueous Hobby Color, water based acrylic paints, enamels and lacquer paints.

B501 Gloss - B502 Semi Gloss - B503 Flat



## Mr.PREMIUM TOPCOAT SPRAY

### Mr.PREMIUM TOPCOAT SPRAY

Mr.Premium TopCoat is a water soluble acrylic clear coating agent for finishing painted surfaces to a the highest level possible.

High quality material is used so that the whitening phenomenon that can occur due to excess spraying is minimized to the utmost. It is very effective for military models as well as for skin colors in figures.

It is water based, so you can use it on surfaces painted with Aqueous Hobby Color, Mr.Color, and most acrylic, enamel and lacquer based hobby paints.

B601 Gloss - B602 Semi Gloss - B603 Flat



## Mr.SUPER CLEAR & Mr.SUPER CLEAR UV CUT SPRAY

Mr.Super Clear and Mr.Super Clear UV Cut are solvent type coating agents used to create surfaces of superior quality.

Mr.Super Clear is specially formulated for use with Mr.Color hobby paint. Please ensure that it is only applied after the Mr.Color base coats have dried completely.

It cannot be used over water based hobby colors, such as Aqueous Hobby Color – for these paints, use Mr.Topcoat.

Mr.Super Clear may damage decals if applied over them. For these, use Mr.Topcoat. Mr.Super Clear should not be airbrushed on hot and humid days. (temperature of 30° C or more, humidity of 70% or more) as blushing may occur.

Mr.Super Clear UV Cut incorporates special ingredients to inhibit the yellowing of clear paints that can occur over time due to the effects of Ultra Violet rays.

B513 Super Clear Gloss - B514 Super Clear Flat - B516 Super Clear Semi Gloss  
B522 UV CUT Gloss - B523 UV CUT Flat

