Product Guide

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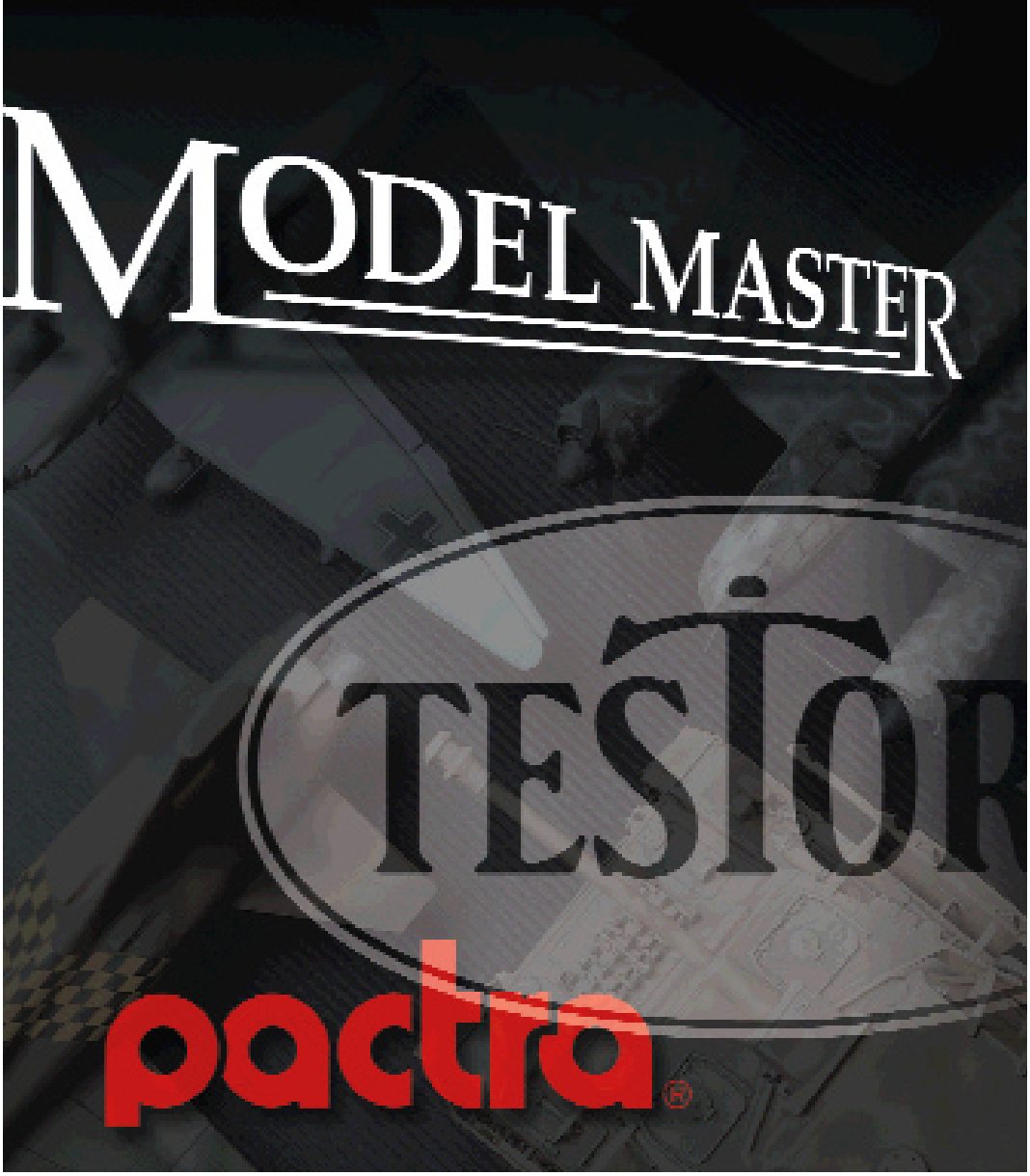

Testor Product Guide

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Enamels **Testor Enamels**

Sizes	*# Colors*
1/4 oz. bottles	45
1 oz. bottles	1
3 oz. spray	41
Pens	14

Description:

Testor all-purpose (Lead Free) enamels are fast-drying, easy to apply and can be used on many kinds of surfaces. Finely ground pigments produce a superb flow and maximum coverage. All colors are produced "in-house" allowing us to monitor each batch as to color-match,opacity, viscosity, etc.

Testor enamels can be used on many surfaces including polystyrene plastic, ABS plastic,styrofoam,glass,plexiglass, wood, metal,leather. Our enamels will *not adhere* to polyethylene or polypropylene. It is also not recommended for rubber, or flexible types of vinyl, because it will not dry on these surfaces; it will remain tacky to the touch.

Usage/Tips:

Always follow instructions and safety procedures, printed on packaging!

1) Best conditions: 70–80 degrees F, moderate relative humidity.

2) Dry time: depends on thickness and conditions, shown are approximates:

Flats – 30 min. to 1 hour

Gloss – 1 hour to touch, full cure is 48–72 hours.

NOTE: Paint cures from the outside in!

3) When brushing, use long strokes in one direction, to minimize brush marks.

4) Thinning of gloss enamels: start at 3 parts paint to 2 parts thinner.

Thinning of flat enamels: start at 3 parts paint to 1 part thinner.

Thin to the consistency of whole milk.

5) When airbrushing or aerosol spraying, apply paint in several mist applications first, letting tack between coats; this builds up a base for the final heavy coat, which will minimize sags and runs.

6) If masking with *PARAFILM*, remove after 1 hour when airbrushing, 48 hours when using aerosol spray.

7) When clear-coating over metallics, i.e., chrome,silver, copper, aluminum, *do not use Clear Top Coat Enamel!*

The enamel will deleaf or dull the metallics. Instead *use Glosscote* or *Dullcote Lacquer*! You can also use clear acrylics, or Future floor wax,as these will not diminish the reflectance of the metallics.

8) Apply acrylics after the enamel has cured at least 24 hours.

9) To achieve a matte or semigloss finish, mix 50% gloss and 50% flat together.

10) To achieve a transparent finish, mix 50% enamel with 50% gloss or flat clear.

11) When decaling, always use a clear gloss coating over flat enamels to achieve proper decal adhesion and prevent silvering.

12) Do not use Pactra Formula U Fuel Proofer over enamel finishes.

13) To bring out the fluorescent colors, a base coat of white needs to be applied to the substrate.Fluorescent colors are not phosphorescent,and will fade if exposed to UV rays.

14) To create a finer mist in aerosol cans, place the can in a shallow pan of warm water for approximately 2 minutes.Before application, shake can vigorously and thoroughly.

15) If a flat enamel is not as flat as desired, pour out only the amount required at one time,into a separate container. Add a little bit of talc powder and flatten to your liking. Remaining mixed enamel should be disposed of properly.

16) When using transparent or semi-transparent colors, the substrate's color will affect the finish's color and hue, if the substrate color is not neutralized. This can be achieved by priming in a complementary color.

Example: Yellow Pearl over a dried primer coat of opaque yellow.

17) To prevent gelling or evaporation in the bottle during long-term storage, clean off rim of bottle and inside of cap, tightly close cap and invert bottle to wet the cap liner; when this dries, it will form a seal that reduces oxygen diffusion into the bottle.

18) Testor enamels have a shelf life of 3–5 years if stored properly.

19) Testor enamels (except for the leafing metallics) may be removed with ordinary oven cleaners. Leafing metallics should be removed in layers with enamel thinner.

20) To remove clear lacquers, use rubbing alcohol.The alcohol will not remove enamels or attack decals.

Enamels **Model Master Enamels**

1700 & 1900 series
(FS/Military)

2000 & 2100 series
(FS/Figures)

2700 & 2900 series
(Cars)

1700 & 1900 series

Sizes	*# Colors*
1/2 oz. bottles	58
3 oz. spray	25

2000 & 2100 series

Sizes	*# Colors*
1/2 oz. bottles	121

2700 & 2900 series

Sizes	*# Colors*
1/2 oz. bottles	37
3 oz. spray	36

Description:

Model Master professional enamel paints are specially formulated for airbrushing, and the most popular colors are packaged in 3 oz. spray cans. There are two series of paints: the FS enamel system for the discerning military modeler, and the custom car line for the "realistic"professional look. The FS colors are guaranteed to match corresponding U.S. Government Federal Standards 595B color chips for military colors.

As with other fine Testor enamels, all colors are produced "in-house"allowing us to monitor each batch as to color-match, opacity, viscosity, etc. Model Master enamels can be used on many surfaces including polystyrene plastic, ABS plastic, styrofoam, glass,plexiglass, wood,metal,leather. They will not adhere to polyethylene or polypropylene. It is also not recommended for rubber, or flexible types of vinyl, because it will not dry on these surfaces; it will remain tacky to the touch.

Usage / Tips:

Always follow instructions and safety procedures, printed on packaging!

1) Best conditions: 70–80 degrees F, moderate relative humidity.

2) Dry time: depends on thickness and conditions, shown are approximates:
Flats – 30 min. to 1 hour
Gloss & Semi-gloss – 1 hour to touch, full cure is 48–72 hours.

NOTE: Paint cures from the outside in!

3) When brushing, use long strokes in one direction, to minimize brush marks.

4) Thinning of gloss enamels: start at 3 parts paint to 2 parts thinner.

Thinning of flat enamels: start at 3 parts paint to 1 part thinner.

Thin to the consistency of whole milk.

5) When airbrushing or aerosol spraying, apply paint in several mist applications first, letting tack between coats; this builds up a base for the final heavy coat, which will minimize sags and runs.

6) If masking with *PARAFILM M*, remove after 1 hour when airbrushing, 48 hours when using aerosol spray.

7) When clear-coating over metallics, i.e, chrome,silver, copper, aluminum, *do not use Clear Top Coat Enamel!* The enamel will deleaf or dull the metallics. *Instead use Glosscote* or *Dullcote Lacquer!* You can also use clear acrylics, or Future floor wax,as these will not diminish the reflectance of the metallics.

8) Apply acrylics after the enamel has cured at least 24 hours.

9) To achieve a matte or semigloss finish, mix 50% gloss and 50% flat together.

10) To achieve a transparent finish, mix 50% enamel with 50% gloss or flat clear.

11) When decaling, always use a clear gloss coating over flat enamels to achieve proper decal adhesion and prevent silvering.

12) Do not use Pactra Formula U Fuel Proofer over enamel finishes.

13) To bring out the fluorescent colors, a base coat of white needs to be applied to the substrate.Fluorescent colors are not phosphorescent,and will fade if exposed to UV rays.

14) To create a finer mist in aerosol cans, place the can in a shallow pan of warm water for approximately 2 minutes. Before application, shake can vigorously and thoroughly.

15) If a flat enamel is not as flat as desired, pour out only the amount required at one time, into a separate container. Add a little bit of talc powder and flatten to your liking. Remaining mixed enamel should be disposed of properly.

16) When using transparent or semi-transparent colors, the substrate's color will affect the finish's color and hue, if the substrate color is not neutralized.

17) To prevent gelling or evaporation in the bottle during long-term storage,clean off rim of bottle and inside of cap, tightly close cap and invert bottle to wet the cap liner; when this dries, it will form a seal that reduces oxygen diffusion into the bottle.

18) Testor enamels have a shelf life of 3–5 years if stored properly.

19) Testor enamels (except for the leafing metallics) may be removed with ordinary oven cleaners. Leafing metallics should be removed in layers with enamel thinner.

20) To remove clear lacquers, use rubbing alcohol. The alcohol will not remove enamels or attack decals.

21) Many modelers prefer a 1:1 paint/thinner ratio, especially when spraying car bodies using enamels, followed by an overall light mist application of straight Airbrush Thinner to "meld" the paint finish and boost the glossiness. Give this one a try.

Enamels — Boyds' Custom Car Enamels

52700 series
(bottles)

52900 series
(sprays)

Sizes	*# Colors*
1/2 oz. bottles	20
3 oz. sprays	9

Description:

Exclusively licensed to Testor, a rainbow of the richest pearlescent and solid hot rod colors from the palette of legendary hot rod designer Boyd Coddington.

As with the Model Master line of custom car colors, Boyds' pearlescent paints can be changed in hue to an infinite degree of color, just by changing the underlying base coat. All colors are produced "in-house" allowing us to monitor each batch as to color-match, opacity, viscosity, etc.Boyds' enamels can be used on many surfaces including polystyrene plastic, ABS plastic, styrofoam,glass,plexiglass, wood,metal,leather. Boyds' enamels will not adhere to polyethylene or polypropylene. It is also not recommended for rubber, or flexible types of vinyl, because it will not dry on these surfaces; it will remain tacky to the touch.

Usage/Tips:

Always follow instructions and safety procedures, printed on packaging!

1) Best conditions: 70–80 degrees F, moderate relative humidity.

2) Dry time: depends on thickness and conditions, shown are approximates:
Flats – 30 min. to 1 hour
Gloss – 1 hour to touch, full cure is 48–72 hours.

NOTE: Paint cures from the outside in!

3) When brushing, use long strokes in one direction, to minimize brush marks.

4) Thinning of gloss enamels: start at 3 parts paint to 2 parts thinner.

Thinning of flat enamels: start at 3 parts paint to 1 part thinner.

Thin to the consistency of whole milk.

5) When airbrushing or aerosol spraying, apply paint in several mist applications first, letting tack between coats; this builds up a base for the final heavy coat, which will minimize sags and runs.

6) If masking with *PARAFILM M*, remove after 1 hour when airbrushing, 48 hours when using aerosol spray.

7) When clear-coating over metallics, i.e., chrome,silver, copper, aluminum, *do not use Clear Top Coat Enamel!* The enamel will deleaf or dull the metallics. *Instead use Glosscote or Dullcote Lacquer*! You can also use clear acrylics, or Future floor wax,as these will not diminish the reflectance of the metallics.

8) Apply acrylics after the enamel has cured at least 24 hours.

9) To achieve a matte or semigloss finish, mix 50% gloss and 50% flat together.

10) To achieve a transparent finish, mix 50% enamel with 50% gloss or flat clear.

11) When decaling, always use a clear gloss coating over flat enamels to achieve proper decal adhesion and prevent silvering.

12) Do not use Pactra Formula U Fuel Proofer over enamel finishes.

13) To bring out the fluorescent colors, a base coat of white needs to be applied to the substrate.Fluorescent colors are not phosphorescent, and will fade if exposed to UV rays.

14) To create a finer mist in aerosol cans, place the can in a shallow pan of warm water for approximately 2 minutes.Before application, shake can vigorously and thoroughly.

15) If a flat enamel is not as flat as desired, pour out only the amount required at one time, into a separate container. Add a little bit of talc powder and flatten to your liking. Remaining mixed enamel should be disposed of properly.

16) When using transparent or semi-transparent colors, the substrate's color will affect the finish's color and hue, if the substrate color is not neutralized.

17) To prevent gelling or evaporation in the bottle during long-term storage, clean off rim of bottle and inside of cap, tightly close cap and invert bottle to wet the cap liner; when this dries it will form a seal that reduces oxygen diffusion into the bottle.

18) Testor enamels have a shelf life of 3–5 years if stored properly.

19) Testor enamels (except for the leafing metallics) may be removed with ordinary oven cleaners. Leafing metallics should be removed in layers with enamel thinner.

20) To remove clear lacquers, use rubbing alcohol. The alcohol will not remove enamels or attack decals.

Lacquers **Model Master Metalizers**

1400 series

Sizes	*# Colors*
1/2 oz. bottles	15
3 oz. spray	6

Description:

Model Master Metalizer™ is a modified lacquer-based metalizing coating that produces a plated looking surface – specially formulated for plastic models. The Metalizer system consists of a wide range of buffing and non-buffing colors which allows the modeler to duplicate natural metal finishes.

Buffing Metalizer contains minimal binder or resin solids, and maximum metal content along with a parafin wax that allows the buffing that produces the metal plate look.

Non-Buffing contains more alcohol and binder which does not require buffing.

Metalizer is also easy to use; all colors are premixed for airbrushing (spray ready) only. There are also 6 buffing aerosols to choose from.

Usage/Tips:

Always follow instructions and safety procedures, printed on packaging!

1) Best conditions for use: 70–80 degrees F, moderate relative humidity.

2) Shake and stir thoroughly before use.

3) When using buffing metalizer, build up the finish by applying light mist coats; after last coat let dry at least 15 minutes before buffing.Buff with a facial tissue, cotton ball, or a soft cloth; when buffing, start with a light circular motion,gradually increasing pressure as the surface starts to “buff up” to the desired finish.

4) Allow Buffing Metalizers Exhaust, Dark Andontic Gray, Burnt Metal and Gun Metal to dry at least 1 hour before buffing, Titanium 30 minutes. Allow non-buffing metalizers to dry 15 minutes before handling.

5) Non-Buffing Metalizers are not available in aerosol form, only 1/2 oz. bottles.

6) Thinning of Metalizers is not necessary, but if desired, use specially formulated Model Master Metalizer Thinner. Lacquer thinners can also be used to clean air-brush. Do not use regular enamel or acrylic type thinners, as Metalizer is a modified lacquer-based coating.

7) Do not mix the buffing and non-buffing colors together in their liquid forms, as they are of different formulations.

8) When masking over metalizers, use either wet masking or *PARAFILM M*. Wet masking is strips of newsprint type paper, soaked in water and applied to the area to be painted; excess water is soaked up with an absorbent material, and the area is lightly airbrushed.

9) To protect your Metalizer finish use Model Master Metalizer Sealer; this seals the finish to prevent fingerprints. As these heavy leafing metallics tend to rub off quite easily on your hand, be careful. Other lacquer-based clears will work also. So as not to diminish the shine, the sealers should be applied in light mist coats that build up the protective coating.

10) Use regular enamel thinner to remove buffing colors in layers. Use lacquer thinner to remove non-buffing colors. Rubbing alcohol will remove both the buffing and non-buffing metalizers.

Lacquers **Pactra RC Finishes** (Vinyl Acrylic Lacquers)

Sizes	*# Colors*
2/3 oz. bottle	29
3 oz. spray	35
2/3 oz.	Thinner
3 1/2 oz.	Thinner
1/2 pt.	Thinner

Description:

Pactra RC Finishes are specially formulated flexible Vinyl Acrylic Lacquers, made to be sprayed on the inside of clear Lexan bodies (only) of remote control cars. Being flexible, the paint does not tend to crack or peel when the Lexan body is flexed or bent.

Usage/Tips:

Always follow instructions and safety procedures, printed on packaging!

1) Best application conditions: 70–80 degrees F, low to moderate humidity.

2) When applied at or above 60% relative humidity, the paint may develop some cloudiness as it dries. This is called a humidity blush or hazing.

3) When spraying aerosol colors, apply in mist coats to avoid runs and sags. Especially when applying translucent colors, as they will tend to show the runs and sags clearer than opaques.

4) Dry time is 5–10 minutes between coats; sanding is not required.

5) Always use RC thinner to thin RC colors. If airbrushing, start thinning ratio at 9 parts paint to 1 part thinner. Adjust to your personal preference.

6) Use *PARAFILM M* or vinyl electrical tape as a mask.

7) When cleaning up dried paint out of airbrushes, use RC thinner. If not available, use a lacquer thinner which has a ketone or ester base, such as acetone, MEK, or isopropyl acetate.

8) To reduce evaporation of solvents from bottles during brush application, we recommend pouring out a small amount of paint into a separate container and recapping bottle. Do not return used paint to bottle after use!

9) Cloudy appearance on clear Lexan body may be a result of using too strong of a solvent or thinner.

10) RC film can be removed using a 50/50 mix of RC Thinner and isopropyl alcohol.

Acrylics **Model Master Acryl** (New Formula)

99000 series

Sizes	*# Colors*
1/2 oz. bottles	140
1 oz. bottles	4
4 oz. bottle	Thinner
4 oz. can	Concentrated Cleaner

Description:

The New Model Master Acrylic Urethane Enamels are fast drying,durable, water wash-up, gloss and flat coatings, developed specifically for superior adhesion to poly-styrene plastic. Model Master Acrylics come in a wide variety of colors. Just like our enamel FS System, the acrylics have been matched to the Federal Standards 595B color chips, as well as ANA,RLM, and RAL standards. We also include a selection of our popular car colors and clear overcoats. Along with the paints, we have an acrylic thinner and cleaning solution.

Usage / Tips:

Always follow instructions and safety procedures, printed on packaging!

1) Best conditions for use: 70–80 degrees F, moderate relative humidity.

2) Shake and stir thoroughly before use.

3) Use the acryl thinner only to thin for airbrush usage. *Do not use water!!*

4) Thinning ratios to start with are recommended as follows: 7 parts paint to 3 parts thinner for gloss colors, 12/1 to 7/3 paint to thinners for the flats.

5) *Caution!!* Overthinning will produce inferior results (poor adhesion, coverage, and finish).

6) Depending on conditions, Model Master gloss acrylics will dry to the touch in approximately 45 minutes, while the flats will "tack" in about half that time. Full cure takes approximately 24 hours.

7) Allow a minimum of four hours dry time before recoating with acrylics.

8) Mask acrylics with either *PARAFILM M* or vinyl electrical tape.

9) Clean dried paint from airbrushes and regular brushes with Model Master Acryl Cleaner or hot lacquer thinner (R/C or Aero-Gloss).

10) To remove dried acrylic paint from model, combine 1 part Acrylic Cleaner to 1 part isopropanol (isopropyl alcohol). You may use rubbing alcohol instead of isopropanol.Remove film in layers.

Important Note:

The new Model Master Acryl paint system has been developed from a far more superior formula than the "original" Model Master acrylics, and as such, the Model Master Acryl paints are in *no way compatible* with the original paints. Do not combine colors, *wet or dry*, from the two systems. The Model Master Acryl should be thinned, when neces-sary, with Model Master Acryl Thinner, *not* the Acrylic Enamel Thinner associated with the original acrylics.

Acrylics — Model Master Acrylics (Original Formula)

50100 series

50400 series

Sizes	*# Colors*
1/2 oz. bottles	63
1 oz. bottles	20
4 oz. bottle	Thinner
4 oz. can	Concentrated Cleaner

Description:

Model Master Acrylic Urethane Enamels are fast drying,durable, water wash-up, gloss and flat coatings, developed specifically for superior adhesion to polystyrene plastic. Model Master Acrylics come in a wide variety of colors. Just like our enamel FS System, the acrylics have been matched to the Federal Standards 595B color chips. We also include a selection of our popular car colors and clear overcoats. Along with the paints, we have an acrylic thinner and cleaning solution.

Usage/Tips:

Always follow instructions and safety procedures, printed on packaging!

1) Best conditions for use: 70–80 degrees F, moderate relative humidity.

2) Shake and stir thoroughly before use.

3) Use the acryl thinner #50499 only to thin for airbrush usage. *Do not use water!!*

4) Thinning ratios to start with are recommended as follows: 7 parts paint to 3 parts thinner for gloss colors, 12/1 to 7/3 paint to thinners for the flats.

5) *Caution!!* Overthinning will produce inferior results (poor adhesion, coverage, and finish).

6) Depending on conditions, Model Master gloss acrylics will dry to the touch in approximately 90 minutes, while the flats will “tack” in about half that time. Full cure takes approximately 24 hours.

7) Allow a minimum of four hours dry time before recoating with acrylics.

8) Mask acrylics with either *PARAFILM M* or vinyl electrical tape.

9) Clean dried paint from airbrushes and regular brushes with Model Master Acrylic Cleaner or hot lacquer thinner (R/C or Aero-Gloss).

10) To remove dried acrylic paint from model, combine 1 part Acrylic Cleaner to 1 part isopropanol (isopropyl alcohol). You may use rubbing alcohol instead of isopropanol.Remove film in layers.

Acrylics — Pactra Acrylics

Sizes *# Colors*

2/3 oz. bottle 61

Description:

Pactra Acrylics are a water-based enamel that adheres to most surfaces: polystyrene, metal, wood,glass,styrofoam,etc. One of the original "Acrylics," this formula has been around for over 25 years!

Usage/Tips:

Always follow instructions and safety procedures, printed on packaging!

1) Best conditions for use: 70-80 degrees F, moderate relative humidity.

2) Shake and stir thoroughly before use.

3) Use the acrylic thinner #50499 only to thin for airbrush usage. *Do not use water!!*

4) Thinning ratios to start with are recommended as follows: 7 parts paint to 3 parts thinner for gloss colors, 12/1 to 7/3 paint to thinners for the flats.

5) *Caution!!* Overthinning will produce inferior results (poor adhesion, coverage, and finish).

6) Depending on conditions, Model Master gloss acrylics will dry to the touch in approximately 90 minutes, while the flats will "tack" in about half that time. Full cure takes approximately 24 hours.

7) Allow a minimum of four hours dry time before recoating with acrylics.

8) Mask acrylics with either *PARAFILM M* or vinyl electrical tape.

9) Clean dried paint from airbrushes and regular brushes with Model Master Acrylic Cleaner #50498 or hot lacquer thinner (R/C or Aero-Gloss).

10) To remove dried acrylic paint from model, combine 1 part Acrylic Cleaner to 1 part isopropanol (isopropyl alcohol). You may use rubbing alcohol instead of isopropanol.Remove film in layers.

Finishes — Clear Lacquer Finishes

#1159 & #2018 Lacquer Thinner

(1 oz. bottles)

#1959 Clear Satin

(3 oz. spray)

#2016 Semi Gloss

(1 oz. bottle)

#1160, 1260 & #1960, #2015 Dullcote

(1 & 1 3/4 oz. bottles & 3 oz. spray)

#1161, 1261 & #1961,#2017 Glosscote

(1 & 1 3/4 oz. bottles & 3 oz. spray)

Description:

Glosscote and *Dullcote* are lacquer-based clear overcoats, used to seal and protect painted surfaces.

Dullcote is used for altering glossy surfaces to give them the flat look, and to protect decals.

Clear Satin is a semigloss or matte finish. 50% Gloss, 50% Flat. (spray only)

Glosscote is used for a smooth glossy finish, over flat paint for good decal adhesion, or for a smooth and shiny protective layer.

Usage / Tips:

Always follow instructions and safety procedures, printed on packaging!

1) Best conditions for use: 70–80 degrees F. Low relative humidity.

2) Shake and stir thoroughly before use.

3) Can be used over all Testor/Pactra enamels and acrylics, when latter have dried at least 24 hours or more.

4) Can also be used over Testor/Italeri decals prior to submersion in water. Lacquers hold decal together better during placement on model. Always test for compatibility on competitors' product.

5) Allow decals to dry 24 hours before applying.

6) Apply in mist applications until desired effect is achieved.

7) To create a finer mist with aerosol cans, place can in shallow pan of warm water for approximately 2 minutes.

8) When airbrushing, thin down lacquers with Lacquer Thinner/Brush Cleaner; use 3 parts lacquer to 1 part thinner. Also use Thinner/Cleaner to clean airbrush after usage.

9) Testor\Italeri decals markings do not adhere well to bare polystyrene. If you prefer to apply decals directly to polystyrene,Glosscote should be applied first; once the decal has dried thoroughly, overcoat, to seal decal.

10) To remove, gently rub down model using a soft cloth or cotton balls, saturated with isopropyl alcohol. It will remove lacquer film without harming decals or painted surface.

11) Should not be used over Tamiya acrylics.

Finishes Clear Enamel Finishes

#1814 High Gloss Clear

(3 oz. spray)

#2736 & #2936 Clear Top Coat

(1/2 oz. bottle & 3 oz. spray)

#2944 Gloss Pearl Clearcoat

(3 oz. spray)

#52720 High Gloss Clearcoat

(1/2 oz. bottle)

Usage/Tips:

Always follow instructions and safety procedures, printed on packaging!

1) Best conditions: 70–80 degrees F, moderate relative humidity.

2) Dry time: depends on thickness and conditions, shown are approximates:

Gloss 1 hour to touch, full cure is 48–72 hours.

NOTE: Paint cures from the outside in!

3) When brushing, use long strokes in one direction, to minimize brush marks.

4) Thinning of clear enamels – start at 3 parts paint to 2 parts thinner.

Thin to the consistency of whole milk.

5) When airbrushing or aerosol spraying, apply paint in several mist applications first,letting tack between coats; this builds up a base for the final heavy coat, which will minimize sags and runs.

6) If masking with *PARAFILM M*, remove after 1 hour when airbrushing, 48 hours when using aerosol spray.

7) When clear-coating over metallics, i.e., chrome,silver, copper, aluminum, *do not use Clear Top Coat Enamel!* The enamel will deleaf or dull the metallics. Instead use Glosscote or Dullcote Lacquer! You can also use our clear acrylics #50160 or #50161, as these will not diminish the reflectance of the metallics.

Finishes **Clear Finish for Acrylics**

#50160 Clear Flat

(1/2 oz. bottle)

#50161 Clear Gloss

(1/2 oz. bottle)

Description:

Model Master Acrylic Urethane Clearcoat Enamels are fast drying,durable, water wash-up, gloss and flat coatings, developed specifically for superior adhesion to poly-styrene plastic.

Usage/Tips:

Always follow instructions and safety procedures, printed on packaging!

1) Best conditions for use: 70–80 degrees F, moderate relative humidity.

2) Shake and stir thoroughly before use.

3) Use the *acrylic thinner only*, to thin for airbrush usage. *Do not use water!!*

4) Thinning ratios to start with are recommended as follows:

7 parts paint to 3 parts thinner (7/3) for gloss colors

12/1 to 7/3 paint to thinners for flat colors

5) *Caution!!* Overthinning will produce inferior results (poor adhesion, coverage, and finish).

6) Depending on conditions, Model Master Clear Gloss Acrylics will dry to the touch in approximately 90 minutes, while the flats will “tack” in about half that time. Full cure takes approximately 24 hours.

7) Allow a minimum of four hours dry time before recoating with acrylics.

8) Mask acrylics with either *PARAFILM M* or vinyl electrical tape.

9) Clean dried paint from airbrushes and regular brushes with Model Master Acrylic Cleaner or hot lacquer thinner (R/C or Aero-Gloss).

10) To remove dried acrylic paint from model, combine 1 part Acrylic Cleaner to 1 part isopropanol (isopropyl alcohol). You may use rubbing alcohol instead of isopropanol.Remove film in layers.

Cements **P l a s t i c H o b b y C e m e n t s**

Regular & Non-Toxic

5/8 & 7/8 oz. tubes

Liquid Cement

7/8 oz. (Non-Toxic Precision Applicator)

1 oz. (Bottle)

1.15oz.(Precision Applicators)

Cement Pens

1/3 oz. (Liquid Cement Pens)

Description:

Testor cements have been used by hobbyists and craftsmen for more than 60 years. Specially formulated for polystyrene, ABS plastics, acetate,plexiglass, and many other surfaces, Testor cements create exceptionally strong and durable bonds.

Usage/Tips:

Always follow instructions and safety procedures, printed on packaging!

1) Plastic cements do not adhere well to painted surfaces; remove paint down to bare plastic before cementing.

2) *USE SPARINGLY!!* Overapplication may dissolve polystyrene parts.

3) After applying cement, press and hold parts together for approximately 15–30 seconds to maximize bond development.

4) Dry time will vary depending on amount used and environmental conditions. However normal dry times are as follows:

- 2 hours for regular tubed and liquid cements.
- 3 hours for cement pens.
- 4 hours for non-toxic cements.

5) Apply tubed cements with either a brush,toothpick, or precision glue tips, to obtain a precise bead of cement.

6) Cement pens should be used on small detail areas, as the solvent evaporates too rapidly on large areas.

7) The cements listed above *should not* be used on clear styrene parts. Instead use Testor Clear Styrene Cement.

8) The above cements can be removed from clothing and other non-Styrene surfaces by dabbing nail polish remover on affected area with a clean cloth. Place absorbent cloth underneath.

Cements — Wood/Clear Hobby Cements

Extra Fast

5/8 oz. tube #3503

1 3/4 oz. tube #3504

Fast

5/8 oz. tube #3505

1 3/4 oz. tube #3506

Clear Parts

1 oz. (Precision Applicator)

Description:

Testor Wood Cement comes in 2 different sizes and types: a fast setting adhesive for strong bonds and the extra fast setting for quick bonds. Testor Wood Cements are specially formulated to bond all types of wood, metal,glass,ceramics, and untreated leathers.

Testor Clear Parts Adhesive is a premium non-solvent white glue formula, for cementing clear parts onto a model without crazing (canopies, windshields etc). It is also packaged in our Precision Applicator for ease of application.

Usage/Tips:

Always follow instructions and safety procedures, printed on packaging!

Wood Cement

1) The extra fast wood formulation should be used for quick repairs only, as it does not cure as strong as the slower curing type.

2) Dry time will vary depending on amount of application and environmental conditions: temperature,humidity, etc.

3) However, normal time required for optimum bond is as follows:

Wood Extra Fast – 6 hours

Wood Fast – 12 hours

Clear Glue – 4 hours

4) Depending on substrate, wood cement may be removed with nail polish remover that contains acetone.

Clear Parts Cement

1) Clear Parts Cement is a water-based adhesive.

2) Clear Parts Cement will not mar or dissolve polystyrene parts.

3) You can make small windows by dipping a paint brush in cement, then make a swirling motion inside of window frame, being sure to touch all sides as you swirl the brush. Then remove the brush, making sure the cement is a continuous thin cover bridging the entire window opening.

4) Removal: after it has dried, it should peel off. It is difficult to remove from flat painted surfaces. Removes easily from gloss coatings and bare polystyrene. A little rubbing alcohol on a cotton swab will do.

Cements **Instant Hobby Cements**

Cyanoacrylate

1/4 oz. bottle

Cyanoacrylate Accelerator

1/2 oz. spray

Description:

Testor Cyanoacrylate Instant Adhesive (superglue) is for those hard-to-bond spots, as it cures in 10–20 seconds. Along with the adhesive, we also have a Cyanoacrylate Accelerator which cures the superglue instantly.

Usage/Tips:

Always follow instructions and safety procedures, printed on packaging!

1) Instant cements do not adhere well to painted surfaces; remove paint down to bare plastic before cementing.

2) Shake well before use!

3) Apply small drops of adhesive to one surface and carefully press parts together.

4) For large seams, apply drops 1/4" to 1/2"apart.

5) To remove instant glue from hands or models, use netromethane or netropropane.

6) Use for bonding disimiliar materials, i.e., plastic to brass photo-etched parts; plastic to wood; vinyl to metal; etc.

Accessories — Enamel Thinners

Airbrush Thinners

1/2 pt. can

1 3/4 oz. bottles

Model Master Thinner

1/2 pt. can

1 3/4 oz. bottle

Brush Cleaners

1/4 oz. bottle

1 3/4 oz. bottle

Description:

Testor Enamel Thinners come in a variety of sizes with 2 different formulations: one for airbrushing and one for cleaning brushes. The airbrushing thinner is a stronger solvent that should be used as a paint thinner, airbrush cleaner only!

Use the brush cleaner for washes, as it will not attack the substrate as aggressively as the airbrush thinner. It is also recommended to use only Testor thinners in Testor paint products, because it is specially formulated for this purpose.

Usage / Tips:

Always follow instructions and safety procedures, printed on packaging!

1) Approximate mixing ratios:
Gloss – 3 parts paint to 2 parts thinner*
Flats – 3 parts paint to 1 part thinner

Thin to the consistency of whole milk.

2) Use airbrush thinner only for thinning enamel paints to airbrush, and cleaning out airbrush and tips. Do not use as wash! This formulation is too aggressive and will attack previously painted coats.

3) For washes, use Enamel Brush Cleaner, as this formulation is not as aggressive, and has less tendency to attack previous painted coats.

* Many modelers prefer a 1:1 paint/thinner ratio, especially when spraying car bodies using enamels, followed by an overall light mist application of straight Airbrush Thinner to “meld” the paint finish and boost the glossiness. Try it, you’ll like it.

Accessories — Decal Solutions

#8804 Decal Setting Solution

1/4 oz. bottle

#2145 Decal Solvent Solution

#2146 Decal Setting Solution

1/2 oz. bottles

Description:

Testor newly developed blends of decal solvents come in both the 1/4 and 1/2 oz. sizes. As with other popular decal solutions, Testor solutions come in both a Setting and Solvent Solution. The Setting Solution is used for decal placement over panel lines and protrusions, allowing the decal to stretch and conform to irregular surfaces. Setting Solution also allows you to move the decal after you have applied it to the surface, for precision placement. Testor Decal Solvent is for those hard-to-decal areas: corners, wing roots, and other areas where the setting solution does not seem to work well. Solvent is specially designed to be put on only once and not touched until dry, as it tends to make the decal extremely susceptible to damage. But the good part is, it stretches and conforms to extremely irregular surfaces, and hugs down tight when dry.

NOTE: #2146 Decal Setting Solution (MMII) is a stronger formulation than the 1/4 oz. #8804 Decal Solution.

Usage/Tips:

Always follow instructions and safety procedures, printed on packaging!

1) Apply decals to model as directed in instructions.

2) Blot dry decal with soft cloth, making sure to press out air bubbles.

3) Apply Decal Setting Solution with small paintbrush. Spread evenly! Let dry.

4) If applying Solvent Solution, make sure decal is in desired position before applying. Apply same way as Setting Solution. Do not touch the decal until thoroughly dry (24 hrs), or you may risk damaging it.

5) Both solutions may be re-applied repeatedly, if necessary, until the desired result is obtained.

6) Solvent and Setting Solutions also work well for removing decals. Apply liberally and let soak in for a few minutes; once decal softens, remove.

Accessories — Parafilm M Masking Material

Model Master # 50641

2” x 25” Roll

Description:

PARAFILM M™ is a thin, low-tac, stretchable,easy-to-use,self-adhesing masking material. It is ideal for masking compound curves and hard-to-mask areas. PARAFILM M also works well on complex camouflage schemes, custom car paint schemes, and for detail painting of small intricate parts. The advantage of PARAFILM M over traditional masks is that its thinness minimizes the paint thickness “bridge”or “dam” that sometimes occur between adjacent colors.

Usage/Tips:

Always follow instructions and safety procedures, printed on packaging!

1) Cut PARAFILM M to desired length and remove backing paper.

2) Hold at both ends and stretch piece to 4 or 5 times its length. This stretching thins and activates the wax surface so it becomes tacky.

3) Lay prepared PARAFILM M onto surface to be masked. Gently press it down; do not use burnishing tool as this may damage the PARAFILM M.

4) Very lightly, trim PARAFILM M with sharp hobby knife to desired pattern. Gently re-press cut edge down onto surface.

5) Always spray vertically or at a slight angle away from masking material as to avoid building paint up too thickly along edge of masking.

6) Allow paint to dry before slowly removing PARAFILM M mask.

7) *Never* “bridge” PARAFILM M across a gap and then push it down, relying on its stretch to fill a large radius. You must work the PARAFILM M from one surface, into the fillet and then up the intersecting wall.