

DESCRIPTION

Hot Rod Black is the industry leading matte, two-component, single stage black for low gloss accent stripes, hoods or entire vehicles.

FEATURES

- Durable and mar resistant
- Excellent resistance to chalking and fading
- Retains color
- Smooth and uniform finish
- National Rule VOC compliant

SUITABLE SUBSTRATES

- Properly prepped primed or painted surfaces

TYPICAL PROPERTIES

| Part: | Product Name: | Color: | Container: |
|-----------------------------------------|-------------------|---------------------------------------|---------------|
| HR010 | Hot Rod Black Kit | Black | 1.5 Quart Kit |
| Kit contains: | | One quart Hot Rod Black | |
| | | One half pint Hot Rod Catalyst | |
| | | One half pint Hot Rod Reducer | |
| Regulatory RTS VOC: | | 539 g/L, 4.50 #/gal | |
| Regulatory VOC Hot Rod Black: | | 402 g/L, 3.35 #/gal | |
| Regulatory VOC Hot Rod Catalyst: | | 506 g/L, 4.22 #/gal | |
| Regulatory VOC Hot Rod Reducer: | | 940 g/L, 7.83 #/gal | |
| Pot life: | | 60 minutes @ 70°F (21°C) and 50% R.H. | |
| Coverage: | | 248 sq.ft./gal @ 2 mils | |
| Flash time: | | 10 - 15 minutes | |
| Purge before baking: | | 30 minutes | |
| Bake time: | | 30 minutes @ 160°F (71°C) | |
| Air dry time (preferred): | | 16 hours @ 70°F (21°C) | |
| Tape Time: | | 24 hours @ 70°F (21°C) | |



Check local VOC regulations to ensure compliance of all products in your area.

HANDLING AND APPLICATION

PREPARATION:

1. Clean with **SEM Solve** or **XXX Universal Surface Cleaner**.
2. For best results, prime surface with **Metalock™ DTM High Build Primer** or **World Class™ DTM Primer**, according to directions. Sand with P400 – P600 grit.

MIXING:

Shake or stir thoroughly. Mix by volume:

| 4 Parts | 1 Part | 1 Part |
|---------------|------------------|-----------------|
| Hot Rod Black | Hot Rod Catalyst | Hot Rod Reducer |

Note:

Use of additives other than **Hot Rod Catalyst** and **Hot Rod Reducer** are not recommended and will affect both the appearance and performance of **Hot Rod Black**.

APPLICATION:

| | |
|----------------------|------------------------------------------|
| Set air pressure to: | 40 - 45 psi for non-HVLP |
| | 8 - 10 psi at the cap for HVLP equipment |

1. Use a gun equipped with a 1.3 - 1.4 nozzle. Spray one medium-wet coat keeping the gun 5 - 7" from the substrate and minimum overlap of 75%. Allow to flash dry, approximately 10 – 15 minutes.
2. Spray a second identical medium-wet coat and allow an additional 30 minutes before baking for 30 minutes at 120°F (49°C), or air dry for 16 hours.

Note:

Always spray a test panel to ensure desired gloss level. Variations in application, temperature, and gun set up can affect the final gloss of **Hot Rod Black**.

Do not recoat after panel has been baked or air-dried without first sanding with P400 – 600 grit.

CARE:

Do not buff or polish. When washing is necessary, use a mild soap and dry immediately with a soft cloth or chamois. To detail, use a microfiber or other soft towel and a dedicated matte finish spray wax or detailer. Always test in an inconspicuous area first.

CLEANUP:

Use appropriate cleaning materials compliant with VOC regulations in your area.



Check local VOC regulations to ensure compliance of all products in your area.

STORAGE:

Hot Rod Black Kit should be stored in a cool, dry place with adequate ventilation away from heat, sparks and flames. The shelf life for **Hot Rod Black Kit** is 3 years when stored under normal conditions.

RELATED PRODUCTS:

| Part: | Product Name: | Size: |
|-------|----------------------------------|-----------------|
| 38371 | SEM Solve | Gallon |
| 38373 | SEM Solve | 20 oz. Aerosol |
| 38374 | SEM Solve | Quart |
| 38375 | SEM Solve | 5 Gallon |
| 50121 | World Class™ DTM Primer | Gallon |
| 50124 | World Class DTM Primer | Quart |
| 50134 | World Class DTM Primer Activator | Cone Quart |
| 50136 | World Class DTM Primer Activator | Half Pint |
| 77771 | XXX Universal Surface Cleaner | Gallon |
| 77774 | XXX Universal Surface Cleaner | Quart |
| ML010 | Metallock™ DTM High Build Primer | 1.25 Gallon Kit |
| ML014 | Metallock DTM High Build Primer | Quart |
| MLH16 | Metallock Hardener | Half Pint |



DESCRIPTION

Hot Rod Clear provides the ultimate, custom, low gloss look on any color when painting accent stripes, hoods or entire vehicles

FEATURES

- Durable two-component matte finish
- Smooth and uniform appearance
- 2.1 VOC compliant
- Convenient kit format

SUITABLE SUBSTRATES

- Properly prepped primed or painted surfaces

TYPICAL PROPERTIES

| Part: | Product Name: | Color: | Container: |
|-------------------------------------------------|----------------------------------------|--------|---------------|
| HRC40 | Hot Rod Clear | Clear | 1.5 Quart Kit |
| Kit contains: | One quart Hot Rod Clear | | |
| | One half pint Low VOC Hot Rod Catalyst | | |
| | One half pint Low VOC Hot Rod Reducer | | |
| Regulatory RTS VOC: | 237 g/L, 2.00 #/gal | | |
| Regulatory VOC Hot Rod Clear: | 285 g/L, 2.37 #/gal | | |
| Regulatory VOC Low VOC Hot Rod Catalyst: | 0 #/gal | | |
| Regulatory VOC Low VOC Hot Rod Reducer: | 0 #/gal | | |
| Pot life: | 60 minutes @ 70°F (21°C) and 50% R.H. | | |
| Coverage: | 270 sq.ft./gal @ 2 mils | | |
| Flash time: | 10 - 15 minutes | | |
| Purge before baking: | 45 minutes | | |
| Bake time: | 30 minutes @ 140°F (60°C) | | |
| Air dry time (preferred): | 16 hours @ 70°F (21°C) | | |
| Tape Time | 24 hours @ 70°F (21°C) | | |



Check local VOC regulations to ensure compliance of all products in your area.

HANDLING AND APPLICATION

PREPARATION:

1. Clean with **SEM Solve** or **XXX Universal Surface Cleaner**.
2. Prime surface with **Metallock™ DTM High Build Primer** or **World Class™ DTM Primer**, according to directions. If needed, sand with P400 – P600.
3. Apply basecoat as per manufacturer's recommendations.

Note:

Can be applied over most solvent and waterborne basecoats. Always test for compatibility.

MIXING:

Shake or stir thoroughly. Mix by volume:

| 4 Parts | 1 Part | 1 Part |
|---------------|--------------------------|-------------------------|
| Hot Rod Clear | Low VOC Hot Rod Catalyst | Low VOC Hot Rod Reducer |

Note:

Use of additives other than **Low VOC Hot Rod Catalyst** and **Low VOC Hot Rod Reducers** are not recommended and will affect the appearance and performance of **Hot Rod Clear**.

APPLICATION:

| | |
|-----------------------------|------------------------------------------|
| Set air pressure to: | 40 - 45 psi for non-HVLP |
| | 8 - 10 psi at the cap for HVLP equipment |

1. Use a gun equipped with a 1.3 - 1.4 nozzle. Spray one medium-wet coat keeping the gun 6 – 8" from the substrate and minimum overlap of 75%. Allow to flash, approximately 10 - 15 minutes.
2. Spray a second identical full wet coat and allow an additional 45 minutes before baking for 30 minutes at 140°F (60°C) or air dry for 16 hours.

Note:

Baking may effect gloss level. Always spray a test panel to ensure desired gloss level. Variations in application, temperature, and gun set up can affect the final gloss of **Hot Rod Clear**.

Do not recoat after panel has been baked or air-dried without first sanding with P400 – P600 grit.

CARE:

Do not buff or polish. When washing is necessary, use a mild soap and dry immediately with a soft cloth or chamois. To detail, use a microfiber cloth or other soft cloth and a dedicated matte finish spray wax or detailer. Always test in an inconspicuous area first.



Check local VOC regulations to ensure compliance of all products in your area.

CLEANUP:

Use appropriate cleaning materials compliant with VOC regulations in your area.

STORAGE:

Hot Rod Clear should be stored in a cool, dry place with adequate ventilation away from heat, sparks and flames. The shelf life for **Hot Rod Clear** is 2 years when stored under normal conditions.

RELATED PRODUCTS:

| Part: | Product Name: | Size: |
|-------|----------------------------------|-----------------|
| 38371 | SEM Solve | Gallon |
| 38373 | SEM Solve | 20 oz. Aerosol |
| 38374 | SEM Solve | Quart |
| 38375 | SEM Solve | 5 Gallon |
| 50121 | World Class™ DTM Primer | Gallon |
| 50124 | World Class DTM Primer | Quart |
| 50134 | World Class DTM Primer Activator | Cone Quart |
| 50136 | World Class DTM Primer Activator | Half Pint |
| 77771 | XXX Universal Surface Cleaner | Gallon |
| 77774 | XXX Universal Surface Cleaner | Quart |
| ML010 | Metallock™ DTM High Build Primer | 1.25 Gallon Kit |
| ML014 | Metallock DTM High Build Primer | Quart |
| MLH16 | Metallock Hardener | Half Pint |

DESCRIPTION

Base Colors are fast covering, clean colors that provides the maximum color effect for custom paint jobs.

FEATURES

- Superior pigmentation
- Ideal atomization
- Smooth and uniform finish
- Excellent adhesion
- Easy to apply with no recoat issues
- Accepts isocyanate hardener in multi-layer jobs

SUITABLE SUBSTRATES

- Properly prepped primer or sealer
- Properly prepped OEM finish

TYPICAL PROPERTIES

| Part: | Product Name: | Color: | Container: |
|--------------|----------------------|---------------|-------------------|
| 02014 | Base Colors | Gold | Quart |
| 02024 | Base Colors | Silver | Quart |
| 02044 | Base Colors | Bright White | Quart |
| 02054 | Base Colors | Jet Black | Quart |
| 02064 | Base Colors | Titanium | Quart |
| 02094 | Base Colors | Light Gold | Quart |
| 02114 | Base Colors | Bright Yellow | Quart |
| 02154 | Base Colors | Red | Quart |

| | |
|----------------------------------|-------------------------------|
| Regulatory VOC: | 574-655 g/L, 4.78-5.46 #/gal |
| Flash time: | 10-15 minutes between coats |
| Bake time: | 30 minutes @ 120°F (49°C) |
| Air dry time (preferred): | 30 minutes before top coating |

Check local VOC regulations to ensure compliance of all products in your area.



Check local VOC regulations to ensure compliance of all products in your area.

HANDLING AND APPLICATION

PREPARATION:

Prime surface with **World Class™ DTM Primer**, **Metalock™ DTM High Build Primer**, **World Class HS Urethane Primer** or similar product according to directions. Clean with **SEM Solve** or **XXX Universal Surface Cleaner**.

MIXING:

Shake or stir thoroughly. Mix by volume:

| 1 Part | 1 Part |
|-------------|-------------------------------|
| Base Colors | High quality urethane reducer |

Note:

Always use the reducer best suited to shop conditions. Dry times may vary depending on film build, shop conditions and reducer used.

1 capful of most urethane clearcoat hardeners can be added to **Base Colors**. This addition yields excellent early adhesion, superior chip resistance and is especially useful in multi-layered designs which result in excessive film build. Pot life is one hour when making this addition. Test compatibility before spraying and always use hardeners that meet VOC regulations for your area.

APPLICATION:

| | |
|---------------------------------|----------------------------------------|
| Set air pressure to: | 45-60 psi for non-HVLP |
| | 8-10 psi at the cap for HVLP equipment |
| Use a gun equipped with: | 1.2-1.3 nozzle for small projects |
| | 1.3-1.4 nozzle for large projects |

1. Spray 2-4 medium-wet coats with a 50-75% overlap keeping the gun 6-8" from the substrate. Allow to flash, approximately 10-15 minutes between coats.
2. Allow final coat to flash 30 minutes before applying top coat.

Note:

Base Colors should be scuffed and re-applied after 24 hours.

CLEANUP:

Use appropriate cleaning materials compliant with VOC regulations in your area.



Check local VOC regulations to ensure compliance of all products in your area.

STORAGE:

Base Colors should be stored in a cool, dry place with adequate ventilation away from heat, sparks and flames. The shelf life for **Base Colors** is 5 years when stored under normal conditions.

RELATED PRODUCTS:

| Part: | Product Name: | Size: |
|--------------|----------------------------------|----------------|
| 38371 | SEM Solve | Gallon |
| 38373 | SEM Solve | 20 oz. Aerosol |
| 38374 | SEM Solve | Quart |
| 38375 | SEM Solve | 5 Gallon |
| 50121 | World Class DTM Primer | Gallon |
| 50124 | World Class DTM Primer | Quart |
| 50134 | World Class DTM Primer Activator | Quart |
| 50136 | World Class DTM Primer Activator | Half Pint |
| 50151 | World Class HS Urethane Primer | Gallon |
| 50154 | World Class HS Urethane Primer | Quart |
| 50454 | 4.2 VOC Fast Activator | Quart |
| 50456 | 4.2 VOC Fast Activator | Half Pint |
| 50464 | 4.2 VOC Medium Activator | Quart |
| 50466 | 4.2 VOC Medium Activator | Half Pint |
| 50474 | 4.2 VOC Slow Activator | Quart |
| 50476 | 4.2 VOC Slow Activator | Half Pint |
| 77771 | XXX Universal Surface Cleaner | Gallon |
| 77774 | XXX Universal Surface Cleaner | Quart |
| ML010 | Metalock DTM High Build Primer | Gallon Kit |
| ML014 | Metalock DTM High Build Primer | Quart |
| MLH16 | Metalock Hardener | Half Pint |



FLUORESCENT CONCENTRATES

TECHNICAL DATA SHEET



Check local VOC regulations to ensure compliance of all products in your area.

DESCRIPTION

Fluorescent Concentrates are a line of intense, eye-catching colors for creating custom graphics.

FEATURES

- Extra bright colors
- High visual impact
- Compatible with multiple paint technologies

SUITABLE SUBSTRATES

- Base Colors Bright White
- Paste Pearls
- Lightning FX
- Flakes

TYPICAL PROPERTIES

| Part: | Product Name: | Color: | Container: |
|-------|--------------------------|------------------|------------|
| 03208 | Fluorescent Concentrates | Fireball | Pint |
| 03218 | Fluorescent Concentrates | Caliente | Pint |
| 03228 | Fluorescent Concentrates | Stop Lite | Pint |
| 03238 | Fluorescent Concentrates | Maui Blue | Pint |
| 03248 | Fluorescent Concentrates | Mean Green | Pint |
| 03258 | Fluorescent Concentrates | Hotter Than Pink | Pint |
| 03268 | Fluorescent Concentrates | Marvey Magenta | Pint |
| 03278 | Fluorescent Concentrates | Wild Chartreuse | Pint |
| 03288 | Fluorescent Concentrates | Sun Spot | Pint |

Regulatory VOC: 627-668 g/L, 5.22-5.57 #/gal

Flash time: 10-15 minutes between coats

Bake time: 30 minutes @ 120°F (49°C)

Air dry time (preferred): 30 minutes before topcoating

Use VOC calculator to determine VOC of mixtures. Check local VOC regulations to ensure compliance of all products in your area.



Check local VOC regulations to ensure compliance of all products in your area.

HANDLING AND APPLICATION

PREPARATION:

Over **Base Colors, Paste Pearls, Lightning FX or Flakes:**

Note:

Fluorescent Concentrates have a short lifetime because of the limited "light-fastness" in the sun and are not recommended for overall refinishing or when long life of the color application is required.

All **Fluorescent Concentrates** should be applied over **Base Colors Bright White** for maximum brightness. Additionally, **Base Colors Bright White** can be tinted with **Fluorescent Concentrates**, usually 10% before reducing. This will give the base a pastel tint of the fluorescent that will be applied afterwards, helping with the coverage of **Fluorescent Concentrates**.

Base Colors, Paste Pearls, Lightning FX or Flakes should be allowed sufficient dry time, typically 30 minutes after last coat, before applying **Fluorescent Concentrates**.

MIXING:

Shake or stir thoroughly. All **Fluorescent Concentrates** should be mixed with **Mix Clear**.

FIRST, MIX BY VOLUME:

| | |
|----------------|--------------------------|
| 4 Parts | 1 Part |
| Mix Clear | Fluorescent Concentrates |

THEN, MIX BY VOLUME:

| | |
|-------------------------|-------------------------------|
| 1 Part | 1 Part |
| Fluorescent / Mix Clear | High quality urethane reducer |

Note:

Always use the reducer best suited to shop conditions. Dry times may vary depending on film build, shop conditions and reducer used.

One capful of most urethane clearcoat hardeners can be added to the **Mix Clear / Fluorescent Concentrates** mixture. This addition yields excellent early adhesion, superior chip resistance and is especially useful in multi-layered designs which result in excessive film build. Pot life is one hour when making this addition. Test compatibility before spraying and always use hardeners that meet VOC regulations for your area.

APPLICATION:

| | |
|-----------------------------|----------------------------------------|
| Set air pressure to: | 45-60 psi for non-HVLP |
| | 8-10 psi at the cap for HVLP equipment |



Check local VOC regulations to ensure compliance of all products in your area.

Use a gun equipped with: 1.2-1.3 nozzle for small projects
1.3-1.4 nozzle for large projects

1. Spray 4-5 medium-wet coats with a 50-75% overlap keeping the gun 6-8" from the substrate. Allow to flash approximately 10-15 minutes between coats.
2. Allow final coat to flash 30 minutes before applying top coat.

Note:

Always clear **Fluorescent Concentrates** with the highest quality two-component urethane clearcoat, such as **World Class™ Clears** for maximum color hold-out and UV protection.

Note:

Always spray a test panel to confirm color and check for coverage. Additionally, always spray full passes when applying **Fluorescent Concentrates** to avoid dark areas where panels overlap.

CLEANUP:

Use appropriate cleaning materials compliant with VOC regulations in your area.

STORAGE:

Fluorescent Concentrates should be stored in a cool, dry place with adequate ventilation away from heat, sparks and flames. The shelf life for **Fluorescent Concentrates** is 5 years when stored under normal conditions.

RELATED PRODUCTS:

| Part: | Product Name: | Size: |
|--------------|--------------------------|--------------|
| 02044 | Base Colors Bright White | Quart |
| MC011 | Mix Clear | Gallon |
| MC014 | Mix Clear | Quart |

DESCRIPTION

Candy Concentrates is a vibrant line of transparent pigments that add spectacular color to custom paint jobs.

FEATURES

- Outstanding depth and clarity
- Brilliant, clean colors
- Easy to apply
- Combine with effect pigments for the ultimate custom look
- Compatible with multiple paint technologies

SUITABLE SUBSTRATES

- Base Colors
- Paste Pearls
- Lightning FX
- Flakes

TYPICAL PROPERTIES

| Part: | Product Name: | Color: | Container: |
|-------|--------------------|-----------------|------------|
| 03016 | Candy Concentrates | Winefire | 1/2 Pint |
| 03026 | Candy Concentrates | Sun Dance | 1/2 Pint |
| 03046 | Candy Concentrates | Aqua Blue | 1/2 Pint |
| 03056 | Candy Concentrates | Royal Blue | 1/2 Pint |
| 03086 | Candy Concentrates | Mandarin | 1/2 Pint |
| 03096 | Candy Concentrates | Mint Green | 1/2 Pint |
| 03106 | Candy Concentrates | Passion Purple | 1/2 Pint |
| 03116 | Candy Concentrates | Candy Apple Red | 1/2 Pint |
| 03126 | Candy Concentrates | California Gold | 1/2 Pint |
| 03156 | Candy Concentrates | Magenta | 1/2 Pint |

| | |
|----------------------------------|-------------------------------|
| Regulatory VOC: | 732-839 g/L, 6.1-7.0 #/gal |
| Flash time: | 10-15 minutes between coats |
| Bake time: | 30 minutes @ 120°F (49°C) |
| Air dry time (preferred): | 30 minutes before top coating |

Use VOC calculator to determine VOC of mixtures. Check local VOC regulations to ensure compliance of all products in your area.



Check local VOC regulations to ensure compliance of all products in your area.

HANDLING AND APPLICATION

PREPARATION:

Over **Base Colors, Paste Pearls, Lightning FX or Flakes**:

Base Colors, Paste Pearls, Lightning FX or Flakes should be allowed sufficient dry time, typically 30 minutes of last coat, before applying **Candy Concentrates**.

Over cured OEM or aftermarket finish:

If applying over existing cured OEM or aftermarket finish, clean with **SEM Solve** or **XXX Universal Surface Cleaner**. Sand surface with 400-600 grit paper or a gray scuff pad then blow off and clean with **SEM Solve** or **XXX Universal Surface Cleaner**.

MIXING:

Shake or stir thoroughly. All **Candy Concentrates** should be mixed with **Mix Clear, World Class™ Clears** or most two-component urethane clearcoats.

Note:

Automotive candy finishes are vulnerable to fading in UV exposure. To minimize the effects of UV exposure, **Candy Concentrates** may be mixed with **World Class Clears** or most two-component high quality urethane clearcoats rather than **Mix Clear**. As a general rule, the more candy and clearcoat applied, the more UV protection you will have. Always spray a test panel to ensure compatibility and desired results. Most important, always clearcoat **Candy Concentrates** with the highest quality two-component urethane clearcoat such as **World Class Clears** for maximum color hold-out.

To mix with **Mix Clear**:

FIRST, MIX BY VOLUME:

| | |
|----------------|-------------------|
| 8 Parts | 1 Part |
| Mix Clear | Candy Concentrate |

THEN, MIX BY VOLUME:

| | |
|-------------------|-------------------------------|
| 1 Part | 1 Part |
| Candy / Mix Clear | High quality urethane reducer |



Check local VOC regulations to ensure compliance of all products in your area.

Note:

Always use the reducer best suited to shop conditions. Dry times may vary depending on film build, shop conditions and reducer used.

One capful of most urethane clearcoat hardeners can be added to the **Mix Clear / Candy Concentrate** mixture. This addition yields excellent early adhesion, superior chip resistance and is especially useful in multi-layered designs which result in excessive film build. Pot life is one hour when making this addition. Test compatibility before spraying and always use hardeners that meet VOC regulations for your area.

TO MIX WITH URETHANE CLEAR:

First, mix clear per manufacturer specifications

Then, mix by volume:

| 8 Part | 1 Part |
|----------------------|-------------------|
| Ready to spray Clear | Candy Concentrate |

APPLICATION:

Using **Mix Clear / Candy Concentrate** mixture:

| | |
|-----------------------------|----------------------------------------|
| Set air pressure to: | 45-60 psi for non-HVLP |
| | 8-10 psi at the cap for HVLP equipment |

| | |
|---------------------------------|-----------------------------------|
| Use a gun equipped with: | 1.2-1.3 nozzle for small projects |
| | 1.3-1.4 nozzle for large projects |

1. Spray 4-7 medium-wet coats with a 50-75% overlap keeping the gun 6-8" from the substrate. Allow to flash, approximately 10-15 minutes between coats.
2. Allow final coat to flash 30 minutes before applying top coat.

Using urethane clearcoat / **Candy Concentrate** mixture:

Apply following manufacturers specifications for flash times and final top coat time.

Note:

When applying using urethane clearcoat / **Candy Concentrate** mixture, avoid "running" the mixture. This will result in dark spots in the finished product that cannot be removed.

Always spray a test panel to confirm color and check for coverage. Additionally, always spray full passes when applying **Candy Concentrates** to avoid dark areas where panels overlap.

CLEANUP:

Use appropriate cleaning materials compliant with VOC regulations in your area.



Check local VOC regulations to ensure compliance of all products in your area.

STORAGE:

Candy Concentrates should be stored in a cool, dry place with adequate ventilation away from heat, sparks and flames. The shelf life for **Candy Concentrates** is 5 years when stored under normal conditions.

RELATED PRODUCTS:

| Part: | Product Name: | Size: |
|-------|-------------------------------|----------------|
| 38371 | SEM Solve | Gallon |
| 38373 | SEM Solve | 20 oz. Aerosol |
| 38374 | SEM Solve | Quart |
| 38375 | SEM Solve | 5 Gallon |
| 77771 | XXX Universal Surface Cleaner | Gallon |
| 77774 | XXX Universal Surface Cleaner | Quart |
| MC011 | Mix Clear | Gallon |
| MC014 | Mix Clear | Quart |

DESCRIPTION

Mix Clear is single component colorless coating used as a carrier for custom finish concentrates and effect pigments.

FEATURES

- Excellent color holdout
- Can be used as a mid-coat clear to protect artwork
- Transparent for vivid colors
- Minimizes tape tracking
- Fast drying
- Easy to use

SUITABLE SUBSTRATES

- Properly prepped primed or painted surfaces
- Basecoat

TYPICAL PROPERTIES

| Part: | Product Name: | Color: | Container: |
|------------------------|---------------|---------------------|------------|
| MC011 | Mix Clear | Opaque Clear | Gallon |
| MC014 | Mix Clear | Opaque Clear | Quart |
| Regulatory VOC: | | 628 g/L, 5.23 #/gal | |
| Recoat window: | | 24 hours | |

HANDLING AND APPLICATION

PREPARATION:

PRIMED SURFACES:

Sand with 500-600 grit paper and clean with **SEM Solve** or **XXX Universal Surface Cleaner**.

OEM FINISHES:

Clean with **Scuff & Clean**, then rinse with water. Wipe down with **SEM Solve** or **XXX Universal Surface Cleaner**. Sand with 500-600 grit paper. Re-clean with **SEM Solve** or **XXX Universal Surface Cleaner**.



Check local VOC regulations to ensure compliance of all products in your area.

MIXING:

Shake well before using. **Mix Clear** should be used in conjunction with a high quality urethane reducer.

As an inter-coat clear, reduce 1:1 with a high quality urethane reducer. Always use the reducer best suited to shop conditions.

DUE TO VOC REGULATIONS, **Mix Clear** MAY NOT BE USED AS AN INTER-COAT CLEAR IN CALIFORNIA.

Note:

One capful of most urethane clearcoat hardeners can be added to **Mix Clear**. This addition yields excellent early adhesion, superior chip resistance and is especially useful in multi-layered designs which result in excessive film build. Pot life is one hour when making this addition. Test compatibility before spraying and always use hardeners that meet VOC regulations for your area. Will reduce recoat window.

Mixing instructions for use with **Paste Pearls, Candy Concentrates, Lightning FX** and **Flakes** can be found on their individual technical data sheets.

APPLICATION:

| | |
|----------------------|-----------------------------------------------------------------------------|
| Air pressure: | 6-9 psi at the cap with HVLP equipment 25-45 psi with non-HVLP equipment |
| Fluid tip: | 1.3-1.4 |
| Coats: | 2-3 |
| Flash time: | 5-10 minutes |
| Dry time: | Allow 30 minutes before taping or doing artwork |

Note:

Do not use as a top coat clear.

Sand with 600 grit paper after 24 hours.

Always spray a test panel.

CLEANUP:

Use appropriate cleaning materials compliant with VOC regulations in your area.

STORAGE:

Mix Clear should be stored in a cool, dry place with adequate ventilation away from heat, sparks and flames. The shelf life for **Mix Clear** is 5 years when stored under normal conditions.



Check local VOC regulations to ensure compliance of all products in your area.

RELATED PRODUCTS:

| Part: | Product Name: | Size: | Temperature Range: |
|--------------|-------------------------------|----------------|---------------------------|
| 38371 | SEM Solve | Gallon | N/A |
| 38373 | SEM Solve | 20 oz. Aerosol | N/A |
| 38374 | SEM Solve | Quart | N/A |
| 38375 | SEM Solve | 5 Gallon | N/A |
| 38391 | Scuff & Clean | Gallon | N/A |
| 38398 | Scuff & Clean | 16 oz. Tube | N/A |
| 77771 | XXX Universal Surface Cleaner | Gallon | N/A |
| 77774 | XXX Universal Surface Cleaner | Quart | N/A |

SEM® **FLAKES, LIGHTNING FX & PASTE PEARLS**

TECHNICAL DATA SHEET



Check local VOC regulations to ensure compliance of all products in your area.

DESCRIPTION

Flakes are precision cut, resin coated chips for adding intense sparkle to custom paint jobs.

Lightning FX are vibrant, glass pearl pigments that provide extra brilliance and sparkle to custom paint jobs.

Paste Pearls are concentrated effect pigments that add a mild frosted sparkle effect to custom paint jobs.

FEATURES

FLAKES

- Brilliant, jewel-like colors
- Provides extreme effect
- Fade and solvent resistant
- Easy to apply

LIGHTNING FX

- Add to color or clear
- Highly reflective
- Adds intense sparkle in sunshine

PASTE PEARLS

- Concentrated for easy mixing
- Highly reflective pigments
- Easy to create one-off colors

SUITABLE SUBSTRATES

- Basecoat
- Mix Clear
- Urethane Clearcoat
- Properly prepped OEM finish



Check local VOC regulations to ensure compliance of all products in your area.

TYPICAL PROPERTIES

| Part: | Product Name: | Color: | Container: |
|-------|---------------|-----------------|------------|
| 06014 | Flakes | Mini Gold | 4 oz. Jar |
| 06024 | Flakes | Mini Silver | 4 oz. Jar |
| 06034 | Flakes | Blue | 4 oz. Jar |
| 06044 | Flakes | Gold | 4 oz. Jar |
| 06054 | Flakes | Red | 4 oz. Jar |
| 06064 | Flakes | Green | 4 oz. Jar |
| 06124 | Flakes | Solar Fire | 4 oz. Jar |
| 06144 | Flakes | Silver Rainbow | 4 oz. Jar |
| 06154 | Flakes | Silver | 4 oz. Jar |
| 33012 | Lightning FX | White Lightning | 2 oz. Jar |
| 33022 | Lightning FX | Sun Gold | 2 oz. Jar |
| 33032 | Lightning FX | Hurricane Red | 2 oz. Jar |
| 33042 | Lightning FX | Ultra Violet | 2 oz. Jar |
| 33052 | Lightning FX | Thunder Blue | 2 oz. Jar |
| 33062 | Lightning FX | Electro Green | 2 oz. Jar |
| 35202 | Paste Pearls | Platinum | 2 oz. Jar |
| 35212 | Paste Pearls | Red 2-Tone | 2 oz. Jar |
| 35222 | Paste Pearls | Gold 2-Tone | 2 oz. Jar |
| 35232 | Paste Pearls | Blue 2-Tone | 2 oz. Jar |
| 35242 | Paste Pearls | Green 2-Tone | 2 oz. Jar |
| 35252 | Paste Pearls | Violet 2-Tone | 2 oz. Jar |
| 35262 | Paste Pearls | Orange 2-Tone | 2 oz. Jar |
| 35272 | Paste Pearls | Aztec Gold | 2 oz. Jar |

Regulatory VOC Paste Pearls: 602-620 g/L, 5.02-5.17 #/gal

Check local VOC regulations to ensure compliance of all products in your area.

HANDLING AND APPLICATION

PREPARATION:

OVER BASE COLORS:

Base Colors should be allowed sufficient dry time, typically 30 minutes from last coat, before applying **Paste Pearls, Lightning FX** or **Flakes**.



Check local VOC regulations to ensure compliance of all products in your area.

OVER OEM FINISH:

Clean OEM finish with **SEM Solve** or **XXX Universal Surface Cleaner**. Sand with 400-600 grit paper or a gray scuff pad then re-clean with **SEM Solve** or **XXX Universal Surface Cleaner**.

MIXING:

The mixing ratio for **Flakes**, **Lightning FX**, and **Paste Pearls** is based on the painter's preferences.

Flakes, **Lightning FX**, and **Paste Pearls** can be added to **Mix Clear** and sprayed as a fast drying base for extra control or the topcoat clear.

Note:

Always spray a test panel to insure the desired look. Lighter base colors will require more material.

RECOMMENDED STARTING POINTS:

Flakes

- 10 grams (roughly one tablespoon) per ready to spray quart
- Up to 100 grams for a heavy flake appearance

Lightning FX

- 10 grams (roughly two tablespoons) per ready to spray quart

Paste Pearls

- 1/4 to 1/2 tablespoon Paste Pearl per ready to spray quart

Note:

One capful of most urethane clearcoat hardeners can be added to **Mix Clear**. This addition yields excellent early adhesion, superior chip resistance and is especially useful in multi-layered designs which result in excessive film build. Pot life is one hour when making this addition. Test compatibility before spraying and always use hardeners that meet VOC regulations for your area. If using more than 10 grams of **Flakes** per ready to spray quart, hardener must be used in **Mix Clear** or adhesion is very poor.

For best results, use a siphon-fed type gun with an agitator cup. **Flakes**, **Lightning FX**, and **Paste Pearls** will settle quickly and will build up in the gun tip when using gravity-fed type guns. When using gravity-fed type guns, be sure to shake product in the gun periodically to reduce settling and ensure even product distribution.

Always use the reducer best suited to shop conditions. Dry times may vary depending on film build, shop conditions and reducer used.



Check local VOC regulations to ensure compliance of all products in your area.

APPLICATION:

SET AIR PRESSURE TO:

| | |
|------------------------|---------------------|
| Non-HVLP: | 45-60 psi for |
| HVLP equipment: | 8-10 psi at the cap |

USE A GUN EQUIPPED WITH:

| | |
|----------------------|---------------------------------------------|
| Paste Pearls: | 1.2-1.3 fluid tip/nozzle for small projects |
| | 1.3-1.4 fluid tip/nozzle for large projects |
| Lightning FX: | 1.4 fluid tip/nozzle |
| Flakes: | (mini 100 micron) 1.5-2.2 fluid tip/nozzle |
| | (large 1/64") 2.2-3.0 fluid tip/nozzle |

Allow to flash, approximately 10-15 minutes between coats.
Allow final coat to flash 30 minutes before applying top coat.

Note:

Use of larger fluid tip/nozzle sizes while applying **Flakes** will allow for the flakes to lay flatter on the surface, resulting in less clear needed to cover the flake.

CLEANUP:

Use appropriate cleaning materials compliant with VOC regulations in your area.

STORAGE:

Flakes, **Lightning FX**, and **Paste Pearls** should be stored in a cool, dry place with adequate ventilation away from heat, sparks and flames. The shelf life for **Paste Pearls** is 3 years when stored under normal conditions while the shelf life of **Lightning FX** and **Flakes** is unlimited.



Check local VOC regulations to ensure compliance of all products in your area.

RELATED PRODUCTS:

| Part: | Product Name: | Size: |
|--------------|-------------------------------|----------------|
| 38371 | SEM Solve | Gallon |
| 38373 | SEM Solve | 20 oz. Aerosol |
| 38374 | SEM Solve | Quart |
| 38375 | SEM Solve | 5 Gallon |
| 77771 | XXX Universal Surface Cleaner | Gallon |
| 77774 | XXX Universal Surface Cleaner | Quart |
| MC011 | Mix Clear | Gallon |
| MC014 | Mix Clear | Quart |

DESCRIPTION

Low VOC Hot Rod Color is the leading matte finish, two-component, single stage, top coat system for low gloss accent stripes, hoods or entire vehicles.

FEATURES

- Durable and mar resistant
- Excellent resistance to chalking and fading
- Retains color
- Smooth and uniform
- Buff-free finish
- 2.8 VOC compliant
- Black, Silver, Smoke & White
- Intermix for one-off colors

SUITABLE SUBSTRATES

- Properly prepped and primed or painted surfaces

TYPICAL PROPERTIES

| Part: | Product Name: | Color: | Container: |
|--------------|----------------------------|---------------|-------------------|
| HR010-LV | Low VOC Hot Rod Black Kit | Black | 1.5 Quart Kit |
| HR020-LV | Low VOC Hot Rod Silver Kit | Silver | 1.5 Quart Kit |
| HR030-LV | Low VOC Hot Rod Smoke Kit | Smoke | 1.5 Quart Kit |
| HR040-LV | Low VOC Hot Rod White Kit | White | 1.5 Quart Kit |

| | |
|----------------------------------|----------------------------------------|
| Kit contains: | One quart Low VOC Hot Rod Color |
| | One half pint Low VOC Hot Rod Catalyst |
| | One half pint Low VOC Hot Rod Reducer |
| Regulatory RTS VOC: | Max 2.72 #/gal (326 g/L) |
| Pot life: | 60 minutes @ 70°F (21°C) and 50% R.H. |
| Coverage: | 248 sq.ft./gal @ 2 mils |
| Flash time: | 10 - 15 minutes |
| Purge before baking: | 30 minutes |
| Bake time: | 30 minutes @ 160°F (71°C) |
| Air dry time (preferred): | 16 hours |
| Tape Time: | 24 hours @ 70°F (21°C) |



Check local VOC regulations to ensure compliance of all products in your area.

HANDLING AND APPLICATION

PREPARATION:

For best results, prime surface with **Metallock™ DTM High Build Primer** or **World Class™ DTM Primer**, according to directions. Clean with **SEM Solve** or **XXX Universal Surface Cleaner**.

MIXING:

Shake or stir thoroughly. Mix by volume:

| 4 Parts | 1 Part | 1 Part |
|---------------|--------------------------|-------------------------|
| Hot Rod Color | Low VOC Hot Rod Catalyst | Low VOC Hot Rod Reducer |

Note:

Use of additives other than **Low VOC Hot Rod Catalyst** and **Low VOC Hot Rod Reducer** are not recommended and will affect the appearance and performance of **Low VOC Hot Rod Colors**.

APPLICATION:

| | |
|-----------------------------|------------------------------------------|
| Set air pressure to: | 40 - 45 psi for non-HVLP |
| | 8 - 10 psi at the cap for HVLP equipment |

1. Use a gun equipped with a 1.3 - 1.4 nozzle. Spray one medium-wet coat keeping the gun 5 - 7" from the substrate and minimum overlap of 75%. Allow to flash dry, approximately 10 - 15 minutes.
2. Spray a second identical medium-wet coat and allow an additional 30 minutes before baking for 30 minutes at 140°F (60°C), or air dry for 16 hours.

Note:

Always spray a test panel to ensure desired gloss level. Variations in temperature and gun set up can affect the final gloss of **Low VOC Hot Rod Color**.

Do not recoat after panel has been baked or air-dried without first sanding with P400 – P600 grit.

CARE:

Do not buff or polish. When washing is necessary, use a mild soap and dry immediately with a soft cloth or chamois. To detail, use a microfiber or other soft cloth and a dedicated matte finish spray wax or detailer. Always test in an inconspicuous area first.

CLEANUP:

Use appropriate cleaning materials compliant with VOC regulations in your area.



Check local VOC regulations to ensure compliance of all products in your area.

STORAGE:

Low VOC Hot Rod Color should be stored in a cool, dry place with adequate ventilation away from heat, sparks and flames. The shelf life for **Low VOC Hot Rod Color** is 3 years when stored under normal conditions.

RELATED PRODUCTS:

| Part: | Product Name: | Size: |
|-------|----------------------------------|-----------------|
| 38371 | SEM Solve | Gallon |
| 38373 | SEM Solve | 20 oz. Aerosol |
| 38374 | SEM Solve | Quart |
| 38375 | SEM Solve | 5 Gallon |
| 50121 | World Class™ DTM Primer | Gallon |
| 50124 | World Class DTM Primer | Quart |
| 50134 | World Class DTM Primer Activator | Cone Quart |
| 50136 | World Class DTM Primer Activator | Half Pint |
| 77771 | XXX Universal Surface Cleaner | Gallon |
| 77774 | XXX Universal Surface Cleaner | Quart |
| ML010 | Metalock™ DTM High Build Primer | 1.25 Gallon Kit |
| ML014 | Metalock DTM High Build Primer | Quart |
| MLH16 | Metalock Hardener | Half Pint |

DESCRIPTION

The **Shovelhead Red Kit** contains two separate paint products that when mixed together create a bright red, semi-transparent pearlescent basecoat.

FEATURES

- Popular bright red pearl
- Candy look from single product
- Mix only what you need
- Excellent sprayability
- 3.5 VOC compliant when mixed with exempt reducer

SUITABLE SUBSTRATES

- White or silver basecoat

TYPICAL PROPERTIES

| Part: | Product Name: | Container: |
|-------|------------------------|------------------------------------|
| 07080 | Shovelhead Red Kit | Kit (contains one 07086 and 07088) |
| 07086 | Hot Rod Pearl Intermix | Quart |
| 07088 | Shovelhead Candy | 1/2 Pint |

07086 HOT ROD PEARL INTERMIX

| | |
|-----------------------|-------|
| Regulatory VOC (g/L): | 283 |
| Actual VOC (g/L): | 115 |
| % Solids: | 32.76 |
| % Exempt Solvents: | 56.81 |

07088 SHOVELHEAD CANDY

| | |
|-----------------------|-------|
| Regulatory VOC (g/L): | 727 |
| Actual VOC (g/L): | 496 |
| % Solids: | 9.67 |
| % Exempt Solvents: | 30.45 |

| | |
|--------------------------------------|-------------|
| Pot Life @ 70°F (21°C) and 50% R.H.: | Unlimited |
| Flash time between coats: | 5-7 minutes |
| Flash time before clear: | 10 minutes |



Check local VOC regulations to ensure compliance of all products in your area.

HANDLING AND APPLICATION

PREPARATION:

1. Prime surface with **Metalock DTM High Build Primer** or **World Class™ DTM Primer**.
2. Sand primed surface and finish with with 400 grit sandpaper.
3. Blow off dust and clean with **SEM Solve** or **XXX Universal Surface Cleaner**.
4. Apply base color (use white or silver for best results) to full coverage. **Heavy Bodied White Seam Sealer** may be used in place of basecoat.

Note:

Shovelhead Red is a semi-transparent coating. It is critical that the substrate is all one color prior to application. Always spray a test panel to ensure desired color. Variations in film build and color of substrate will vary final appearance.

MIXING:

1. Shake components well.
2. Mix by volume to make **Shovelhead** color:

| 4 Parts | 1 Part |
|-----------------------------|------------------------|
| 07086 Hotrod Pearl Intermix | 07088 Shovelhead Candy |

Note:

Use of other **Candy Concentrates** is not recommended. Only mix what is needed. Use mixed color within 6-9 months.

3. Shake or stir **Shovelhead Red** mixture thoroughly, then reduce:

| 1 Part | 1 Part |
|--------------------|-------------------------------|
| Shovelhead Red Mix | High quality urethane reducer |

APPLICATION:

- Set air pressure to 35-40 psi for conventional gun
- 8-10 psi at the cap for HVLP equipment
- Use a gun equipped with a 1.3-1.4 nozzle

1. Spray 3 medium coats keeping the gun 5"-7" from the substrate.
2. Allow 5-7 minutes flash time between coats.
3. Allow an additional 10 minutes before applying clearcoat.

Note:

Apply clearcoat within 24 hours. Do not leave un-cleared or try to buff or polish **Shovelhead Red**.



Check local VOC regulations to ensure compliance of all products in your area.

CLEANUP:

Clean gun with solvent compliant in your area.

STORAGE:

Shovelhead Red Kit should be stored in a cool, dry place with adequate ventilation away from heat, sparks and flames. When stored properly, it has a shelf life of 5 years.

RELATED PRODUCTS:

| Part: | Product Name: | Size: |
|--------------|----------------------------------|-----------------|
| ML010 | Metalock DTM High Build Primer | Gallon Kit |
| ML014 | Metalock DTM High Build Primer | Quart |
| 50121 | World Class DTM Primer | Gallon |
| 50121 | World Class DTM Primer | Quart |
| 50134 | World Class DTM Primer Activator | Quart |
| 50136 | World Class DTM Primer Activator | Half Pint |
| 38371 | SEM Solve | Gallon |
| 38373 | SEM Solve | 20 oz. Aerosol |
| 38374 | SEM Solve | Quart |
| 38375 | SEM Solve | 5 Gallon |
| 40477 | Heavy Bodied White Seam Sealer | 7 oz. Cartridge |
| 77771 | XXX Universal Surface Cleaner | Gallon |
| 77774 | XXX Universal Surface Cleaner | Quart |