The Complete Matthews Paint System
Product Overview Guide
Matthews Topcoats provide a long-lasting, UV resistant finish that boasts unsurpassed color and gloss retention. With three different lines to choose from—including the environmentally friendly MAP Ultra Low VOC—and unlimited color options, there is a topcoat to meet any project requirement.

**Ultra Low VOC (0.43 lbs/gal VOC)**

MAP Ultra Low VOC is a high-performance polyurethane paint that limits VOC to 50g/L or 0.43lbs/gal while delivering superior color and durability.
- Environmentally friendly with VOC levels at 50g/L or 0.43 lbs/gal
- 50% better gloss retention in UVB accelerated exposure
- High solids formula and maximum pigment content provide better hiding and a faster film build
- 50% more impact resistant in direct and reverse impact testing
- Enhanced protection in corrosive environments and in extreme temperature changes
- All 80,000+ existing color formulas available
- Developed to be sprayed, brushed or rolled
- Requires less paint, saving time and money!

**Low VOC (2.8/3.5 lbs/gal VOC)**

Satin VOC MAP® meets 2.8 or 3.5 VOC compliance regulations
- Same extraordinary features as our conventional MAP®
- Satin finish right out of the can
- No more hassles trying to flatten high gloss compliant finishes

**Conventional (up to 5.5 lbs/gal VOC)**

MAP®—Matthews Acrylic Polyurethane is a coating system famous for its ability to withstand extreme climate conditions.
- Superior color and gloss retention
- Hard surface resists heavy traffic or abuse
- Graffiti resistant
- Suitable for metal, wood and surface plastics

**Satin MAP®**
- Excellent ultraviolet and weather resistance
- Can be poured straight from the can

Cover Photos: DâNite Sign Company provided Grand View Theatre and Columbus Zoo and Aquarium; Western Neon provided The Ice-Burg
EZ Spray is available in MAP Ultra Low VOC, limiting VOC to less than 50g/L and providing greater durability, gloss retention and hiding than standard acrylic polyurethane paints.
EZ Spray’s 2-component technology allows for quick and easy repair of scratched or damaged signs in the field while maintaining the same quality finish you expect from Matthews Paint. The system uses any Matthews Paint custom color or clear, ensuring a perfect match.

**Paint & Hardener in One Can**
EZ Spray’s 2-component technology comprises Matthews paint and hardener in one can so there is no need to worry about mixing in the field. The hardener is integrated in a separate cylinder and is released when the drive pin punctures the cylinder.

**Features & Benefits**
- Custom Matthews Paint Conventional/SVOC paint, catalyst and propellant in an aerosol can
- Durable two-part, professional polyurethane system
- Theoretical transfer efficiency is 30% better than conventional spray equipment
- Four times the pot life of conventional spray process
- Any formula available today can be loaded into the can
- Excellent for repairs in the field
- Color indicator on cap depicts color in can
- Covers 8-12 sq ft @ 2 mil per can
- 6H compliant
Matthews offers additional brands that meet the needs of very specific field applications.

**Lacryl®**

**Lacryl 400: 5.2 lbs/gal VOC**
Lacryl 400 is a translucent coating that can be air sprayed to decorate backlit formed faces and matched to most popular brands.
- Leaded and lead free systems available
- Stock colors available
- Easy mix ratio 1:1; white and black 2:1
- Increase profitability and efficiency by reducing inventory, storage and waste
- Formulas available in most popular brands

**Lacryl 800: 4.6 lbs/gal VOC**
Lacryl 800 is an air dry acrylic lacquer designed specifically for high volume screen applications. When compared to vinyl flex-face signs, Lacryl 800:
- Reduces cost with its high coverage
- Reduces labor with a more efficient screen process
- Produces less scrap
- Lasts longer
- Has a greater depth of image
- Doesn’t show seams when illuminated

**Field Master®**

**2.8 lbs/gal VOC**
Easy to apply, Field Master is a single component coating that can be brushed or rolled straight out of the can, making it ideal for field refinishing and maintenance.
- Field ready for brushing or rolling applications
- Can be sprayed if reduced with Reducer FM169
- Consistent film characteristics for even application and gloss matching
- Great color and gloss retention
- Excellent weathering properties
- For interior or exterior use
- Uniform air dry finish
- Full gloss finish can be reduced to semi-gloss or satin with Gloss Modifier FM100
- 25 standard colors
- Custom color match available

**Sign Strip®**
Sign Strip is a water-based sprayable, strippable coating formulated for use as a mask during the painting of plastic and metal signs.

**BoothStrip®**
Applied to spray booth walls and ceilings, BoothStrip is a water-based strippable plastic film that collects paint overspray. The thin, bright white film improves spray booth visibility and, when soiled, peels away easily during regular cleanup.
Matthews Primers, including chromate-free and low VOC product lines, provide excellent paint adhesion to a variety of hard-to-adhere substrates and can be directly coated with any Matthews topcoat.

Proper substrate preparation is critical for proper paint adhesion. The undercoat ensures better adhesion of paint to the surface, increases paint durability and provides additional protection by forming a binding layer that is better prepared to receive the paint. Without a proper undercoat, even the best coating can’t be expected to perform well.

**Chromate-Free and Low VOC Undercoats Available**
Matthews Paint offers a variety of chromate-free and low VOC undercoats with excellent paint adhesion and increased paint durability. For those who want to operate HAP-free in their facility to comply with the EPA 6H Rule, the Matthews chromate-free undercoat is free of target-HAPs (Hazardous Air Pollutants). Visit matthewspaint.com for more information.

- Provides excellent corrosion protection
- Can be directly coated with all Matthews topcoats
- Improved adhesion properties
- Easy mix ratio
- Rust inhibiting white & black epoxies
- Dual purpose primers available


**Speed Up Your Prime Times!**

2.1 VOC Epoxy Primers are available in white, black, and gray.

- 2.1 VOC compliant
- Available in: 274 528SP Gray, 274 530SP White, 274 531SP Black
- Extremely fast dry times
- Corrosion resistant
- Can be applied to properly prepared stainless steel and many other substrates
- Prime and no sanding needed for up to 4 days
Comprised of the same durable resin as our color lines, Matthews clearcoats provide unparalleled resistance to UV rays, moisture, harsh weather, impact, chemicals, and graffiti while enhancing your paint job’s depth and vibrancy.

**Superior UV Protection**
Exposure to sunlight and some artificial lights can have adverse effects on paint films. Our UV protection package is a combination of UV absorbers and UV scavengers that gives our clearcoats unparalleled durability.

**Graffiti Resistance**
Graffiti is a growing problem. Not only are signs damaged, but good relationships with clients are often damaged as well. The good news is that most graffiti problems can be easily solved by using Matthews acrylic polyurethane clearcoats. Our full line of clearcoats fights most graffiti. Watch our Graffiti Removal video at www.matthewspaint.com.

**Excellent Durability**
Clearcoats protect your project from the elements and provide an additional barrier against impacts, abrasion, hail, sand, salt, grit and chemicals. Matthews clearcoats provide excellent exterior durability over most metal surfaces, acrylic, plastic, polycarbonate, photopolymer, sign foam, architectural metals and all MAP topcoats.

**Brilliant Color**
Clearcoats add depth to appearance of your detailed projects, which increases vibrancy and the overall quality of your basecoat.

**Wide Range of Finishes**
Available in all finishes for a wide variety of applications— including a submersible clear!
Matthews Cleaners are designed to remove wax, grease, silicones, and other contaminants on a variety of substrates including bare metal, plastics, primers, and more. Our environmentally friendly, ultra low VOC option is highly effective and compliant with most VOC rules nationwide.

Proper substrate preparation plays a vital role in the success of a paint job. Surface contamination is the most common reason for premature coating failures. Matthews cleaners are designed to remove waxes, grease, silicones and other contaminants. They can be used on bare metal, plastics, primers and more.

**Ultra Low VOC Cleaner Available**

Matthews also offers the environmentally friendly Ultra Low VOC Cleaner 6405SP, which is compliant with most VOC rules nationwide. 6405SP is a 0.00 HAPS Wax and Grease Remover. This cleaner is specifically designed to remove waxes, grease, silicones and other contaminants. It can be used on bare metal, plastics, primers, etc.
Matthews Additives give you ultimate control! Whether you seek unique texture, optimum brilliance, or simply need extended work time to achieve a desired effect, our additives allow you to customize your application and achieve your project goals.

Matthews Additives Include:

**Texture Agents**
With Matthews suede additives, you can easily incorporate a textured finish into any Matthews topcoats.

**Brush and Roll Additives**
Designed to provide maximum leveling and flow characteristics when brushing or rolling. Allows for more open time for workability and air release agents help alleviate bubble formation. **Note:** Metallic colors cannot be brushed and rolled.

**Low VOC Basecoat Converter**
Our premium quality acrylic converter facilitates quick multi-color layouts and easy application and control of metallic finishes.

Adjust gloss levels easily by mixing paint with our flattening paste or matting clear. Matthews Paints are usually sprayed but if your job requires brushing or rolling, just use our brushing and rolling additive to extend your open time. Matthews offers two grades of suede additives and six color choices of pearl powder additives so that you can always achieve the brilliant look you’re imagining. Your creativity is limitless when you add sueds and pearls to the spectrum of possibilities!

Matthews Additives Product Feature
- Save time and money by painting a multi-color sign in hours instead of days
- All you need is one can of converter with your existing MPC toners
- Faster tape and vinyl application times
- Can be used with solid colors and metallic products
Delivering free-to-attend world-class training in state-of-the-art facilities is just one more way that Matthews Paint helps you outperform your competition. Matthews Training classes provide both classroom style technical training and hands-on opportunities to practice what you learn.

Goals
- To provide a wide assortment of paint application and industry topics to all paint professionals through our hands-on approach
- To educate sign professionals with the most current information on our new and existing products
- To boost the efficiency and production of paint applicators

Topics Covered
- Safety
- Material safety data sheets
- Volatile organic compound (VOC) review
- Primer and paint chemistry
- Fundamentals of painting
- Shop and spray equipment
- Substrate cleaning and preparation review
- Matthews primers, topcoats, basecoat capability, metallics, clearcoats, cleaners, additives and specialty products
- Basic troubleshooting
- Mix station overview
- Online color retrieval process

Who Benefits
Paint applicators, product foremen, paint line supervisors, paint shop managers, paint department associates, local distributors, distributor sales personnel, sign fabrication business owners

To Register
Download a training class schedule and register for classes online at www.matthewspaint.com or call the Training Department at 800.970.2283.

Participants Receive
- Training manuals
- Latest technical and safety information
- Various substrate samples you’ll paint and take with you
- MPC T-shirt
- Hands-on substrate preparation and primer/paint application
- Wet film gauge, mixing cups and mixing stick
- Breakfast and lunch on class days
- Certificate of completion
Color Resources

Matthews offers a number of tools and services to ensure that you get a precise color match and gloss with a quick turnaround time.

- Extensive database with more than 80,000 color formulas
- Custom matching service staffed with experts that have over 50 years of experience
- Color tools for fabricators, distributors, designers and architects

Online Color Formula Retrieval

Updated daily, this invaluable time-saver allows you to easily and accurately retrieve Matthews Paint formulas to match more than 80,000 paint shades in over 196 color systems.

Matthews Mixing Stations

Available in all product lines and gloss levels, our mixing stations allow you to mix over 80,000 custom colors according to your specifications.

Color Panels

Attention designers and architects! We can help you enhance your client presentations with 3” x 6” aluminum color panels in any color and finish. Simply give us a color number or send us a color sample.

Spectrum of Color Selection System

With over 1,580 colors, this breakthrough card deck system makes choosing colors easier than ever. Each set includes:

- Side-by-side comparisons of satin and high gloss finishes
- Solid, metallic, and pearl selections
- Index, color chip reference numbers, MPC formula numbers, and LRV (Light Reflectance Value) numbers

Sturdy, easy-open case
SOC Swatch Library
Quickly and easily apply colors from the Spectrum of Color fan decks to renderings in Adobe Illustrator®, InDesign®, Photoshop®, CorelDRAW®, and SAi Flexi.

• Easily input specific colors on renderings and presentations
• Includes the 1,580 colors in the Spectrum of Color fan decks
• Browse colors by color family
• Enter color number or name to retrieve specific colors

To download the SOC Swatch Library visit:
Adobe Users: MatthewsPaint.com/SOCSwatchLibraryAdobe
Corel Users: MatthewsPaint.com/SOCSwatchLibraryCorel
SAi Flexi Users: MatthewsPaint.com/SOCSwatchLibrarySAi

SOC Chip Search
The SOC Chip Search allows you to quickly and easily view color chips and retrieve the RGB and CMYK values of colors specified in the Spectrum of Color fan decks.

• Access from smart phone, tablet, or desktop computer
• View color chips, including metallics
• Retrieve RGB and CMYK values of colors
• Includes the 1,580 colors in the Spectrum of Color
• Quick and easy to use

To register for the SOC Chip Search, visit
MatthewsPaint.com/SOCChipSearch

Using the SOC Chip Search is easy. Learn how! MatthewsPaint.com/QuickTips
MeasureColor Mobile

Finding a Matthews Color Formula is as Easy as 1-2-3

The small, Bluetooth® enabled scanning device captures surface color and syncs with an app on your smartphone or tablet to find the closest Matthews Paint color match.

- The scanning device uses Delta E calculations and L*a*b* color values for accurate color.
- This is a portable device you can take anywhere. Weighing about an ounce, it easily fits in the palm of your hand. The device is ideal for scanning color in the field.

To get started, visit MatthewsPaint.com/MeasureColor

1 Scan
Fitting in the palm of your hand, the portable scanning device can be brought in the field to accurately capture surface color.

2 Display
The device then syncs with the app on your smartphone or tablet to find the closest Matthews Paint color match.

3 Retrieve
Then simply tap the link in the app to go to the MPC Online Color Formula Retrieval to access the color formula.

Using MeasureColor Mobile is easy. Learn how! MatthewsPaint.com/QuickTips