



Specialty Paints & Products for
Sign · Branding · Re-Imaging
1.800.421.7961

Q-PRIM MP2177™ ADVANCED EPOXY TINTABLE PRIMER

Q-PRIM MP2177™ Advanced Epoxy Tintable Primer is a high performance, 2-component, 3.5 VOC, heavy metal free, epoxy coating specifically formulated for a variety of surfaces including steel, galvanized steel, aluminum, fiberglass, wood, previously painted surfaces and many plastics. **Q-PRIM MP2177™** Advanced Epoxy Tintable Primer is formulated with high performance polyepoxide resins, pigments, additives and solvents to assure the most durable and affordable product available to the sign and related industries. Combine this QCOLOR Concentrated colorants to create any color primer to compliment the topcoat being applied. **Q-PRIM MP2177™** Advanced Epoxy Tintable is an **Environmentally Friendly** product that is low in HAP's – hazardous air pollutants and low in VOC's – volatile organic compounds.

QHF Environmentally Friendly Product.

APPLICATION:

1.



Safety:

Use only NIOSH approved respirators and personal protection equipment recommended for the product used.

Always review the MSDS – Material Safety Data Sheets before use.

2. **SURFACE
PREPARATION:**

Suitable Surfaces:

Cleaning and substrate preparation for all primers, surfacers and adhesion promoters must be followed utilizing Technical Data Sheet recommendations prior to applying any **Q-PRIM™ Series primer**.

- Aluminum:** Sand with #P80 to #P180 grit.
- Fiberglass:** Sand with #P180 to #P320 grit.
- Steel:** Remove existing rust and oxides by dry sanding with P#80 to #P320 grit.
- Plastics:** Cross hatch test for adhesion before production use.
- Wood:** Compressed air to clean, test before production use.



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3.



Surface Cleaning New:

For aluminum, steel, and fiberglass, clean with **Q-SOLV™** Approved Cleaners / Degreasers and sand using power tools to produce a clean bare metal surface and to retain or produce a surface profile. Once cleaned, the surface will be free of all oil, grease, dirt, dust, mill scale, rust, paint, oxide, corrosion products and any other foreign matter. Re-clean with **Q-SOLV™** Approved Cleaners / Degreasers. For Steel or aluminum substrates, immediately apply **Q-PRIM MP2177™** Advanced Epoxy Tintable Primer after the substrate has dried or flash rusting may occur.

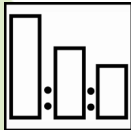
For plastic / ABS type substrates, clean with **Q-SOLV™ CD4402™** or **Q-SOLV™ CD4414™** and perform a cross hatch adhesion test before production run priming. Application of **Q-PRIM™ PP1010™** Specialty Plastic Adhesion Promoter may be required.

For wood, use compressed air to clean. The performance of the primer should be tested and confirmed on the actual substrate due to the wide variety of wood types / substrates.

Surface Cleaning Previously Painted:

Clean with **Q-SOLV™** Approved Cleaners / Degreasers and scuff sand (400 grit to 600 grit) to produce a surface profile. Once cleaned, the surface will be free of all oil, grease, dirt, dust, loose paint, rust, oxide products or any other foreign matter. Feather edge smooth any areas exposed to bare substrate and spot prime with appropriate primer. Refer to TDS information on selected QHF brand primers before proceeding.

4.



Mixing Procedure and Ratio – High Film Build:

Combine:

4 parts Q-PRIM MP2177™	Already tinted based on formula
1 part Q-ACTV PA2072™	Advanced Epoxy Activator
1 part Q-SOLV PR2XXX™	Advanced Epoxy Series Reducer

Mixing Procedure and Ratio – Brush / Roll Application:

Combine:

4 parts Q-PRIM MP2177™	Already tinted based on formula
1 part Q-ACTV PA2072™	Advanced Epoxy Activator

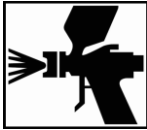
Stir until thoroughly blended and strain before using. Pot life is 4 - 8 hours. No Induction Time (sweat time) is required.



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5.



Recommended Spray Equipment:

Gravity Feed: 1.4 - 1.8 mm
Siphon Feed: 1.6 – 2.0 mm
Pressure Feed: 1.0 – 1.2 mm

6. **FILM
PROPERTIES:**

Apply 1.0 – 1.5 mils minimum dry film thickness, 1-2 coats with recommended spray equipment. The application of higher film builds or multiple coats will lengthen flash, dry and cure times. The use of wet and dry film thickness gauges and cross hatch adhesion testers are always recommended.

7. **DRY TIMES:**

Dry to touch / dust free at 75°F is 30 to 60 minutes
Dry to handle at 75°F is 1-1/2 to 2 hours.
Dry to pack / ship at 75°F is 24-48 hours minimum.

Recoat anytime within the first three (3) days. After 72 hours sanding is recommended before top coating. A light de-nibbing by hand or machine after 60 minutes, followed by tack wiping. Always allow any freshly de-nibbed surface to recover for 15 to 30 minutes before top coating.

NOTES:

All two component cross linking activation stops or significantly slows at temperatures below 60°F or 16°C. Applying coatings in these types of conditions will result in poor film resistance, decreased performance, reduced chemical resistance and or improper curing.

Can be brushed / rolled with sacrificed appearance by mixing per guideline and applying with a natural china bristle brush, rolling with an ultra smooth high density foam roller cover or Shur-line® Brand applicator pad.

Do not apply if temperature is below 60°F or above 110°F or if the surface temperature is within 5°F of the dew point.

8. **PERFORMANCE
PROPERTIES:**

Abrasion and mar / scratch resistance:	Excellent
Alkali resistance:	Excellent
Water / humidity resistance:	Excellent
Solvent, acid & salt resistance:	Excellent

Always test surface preparation, primer and topcoat compatibility to determine acceptability before any production run.

Disclaimer: Technical information and suggested uses are believed to be reliable by QH&F Ltd., but such information or suggestions do not constitute a warranty. QH&F Ltd. has no control over the conditions under which the product is stored, handled, used or applied. Buyers must determine for themselves the suitability of each product for their specific use.

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