



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

Q-COAT UC™ 2-COMPONENT POLYURETHANE COATING

Q-COAT UC™ is a high performance 2-component acrylic - polyester polyurethane coating specifically formulated for metal surfaces and many plastic surfaces. **Q-COAT UC™** is formulated with the highest performance acrylic resins, polyester resins, pigments, additives and solvents to assure the most durable and affordable product available to the sign and related industries. **Q-COAT UC™** 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:

All recommended primers, surfacers and adhesion promoters. Cleaning and substrate preparation for all primers, surfacers and adhesion promoters must be followed by Technical Data Sheet recommendations prior to applying any **Q-COAT UC™** topcoat products.

Aluminum:

Sand with #P80 grit followed by #P180 grit.

Fiberglass:

Sand with #P80 grit followed by #P180 grit.

Steel:

Remove existing rust and oxides by dry sanding with a maximum P#80 grit dry paper or by sand, shot or soda blasting

3.



Surface Cleaning:

Immediately clean with **Q-SOLV™** Approved cleaners degreasers. For Steel or aluminum substrates, immediately apply **Q-PRIM™** Approved primers after the substrate has dried or flash rusting may occur. Steel flash rusting occurs quickly with ambient relative humidity if not quickly protected. For plastic / ABS substrates apply **Q-PRIM™ PP1010™** Specialty Plastic Adhesion Promoter.

4. **GLOSS
SELECTION
OBTAINABLE:**

Gloss Level Binder Selection:

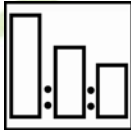
Q-Base™ UB2080™	High Gloss
Q-Base™ UB2082™	High Semi – Gloss
Q-Base™ UB2084™	Semi – Gloss
Q-Base™ UB2086™	Satin Gloss
Q-Base™ UB2088™	Matte Gloss



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5.



Mixing Procedure and Ratio:

Combine:

4 parts **Q-COAT UC™** Mixed Color
1 part **Q-ACTV UA™** UA5000™ Activator
1 part **Q-SOLV UR™** UR Series™ Reducer

Optionally add:

½ oz **Q-SOLV UR™** UR Series™ Accelerator per gal for Gloss Colors
1 oz **Q-SOLV UR™** UR Series™ Accelerator per gal for lower Gloss Colors (use sparingly)

Stir until thoroughly blended.

Reducer and accelerator selections should be determined based on temperature, % relative humidity and job size.

6. **REDUCER
SELECTION:**

Reducer / Accelerator Selections:

Q-SOLV™ UR1054™ Fast Reducer
Q-SOLV™ UR1056™ Medium Reducer
Q-SOLV™ UR1060™ Retarder

Q-SOLV™ UR1091™ Leveling Additive
Q-SOLV™ UR1094™ Accelerator – Pot Life Extender
Q-SOLV™ UR1099™ Accelerator

Q-SOLV™ UR1154™ Exempt Fast Reducer
Q-SOLV™ UR1156™ Exempt Medium Reducer
Q-SOLV™ UR1158™ Exempt Slow Reducer

7.



Recommended Spray Equipment:

Gravity Feed: 1.3 - 1.4 mm
Siphon Feed: 1.6 - 1.8 mm
Pressure Feed: 1.0 - 1.4 mm

8. **DRY FILM
THICKNESS:**

Apply 1.75 - 2.0 mils dry film thickness, 2 coats minimum through recommended spray equipment.



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9. **DRY TIME:** Dry to handle at 75°F is 2 to 4 hours.
Dry to package and ship at 75°F is 24-48 hours minimum.
Application of vinyl graphics is 24–72 hours depending on curing conditions and type of vinyl.

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

Paint films cured over 24 hours or sooner at elevated temperatures should be lightly dry sanded with 400 to 600 grit before recoating to insure proper inner coat adhesion.

10. PERFORMANCE PROPERTIES:	Abrasion and mar / scratch resistance:	Excellent
	Alkali resistance:	Excellent
	Humidity resistance:	Excellent
	Solvent, acid & salt resistance:	Excellent
	Color fade resistance:	Excellent
	Chalk resistance	Excellent
	Self cleaning properties	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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