Specialty Paints & Products for
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1.800.421.7961

Q-COAT UC™ 2-COMPONENT B/R BRUSH / ROLL POLYURETHANE COATING

Q-COAT UC™ B/R (Brush or Roll) is a high performance 2-component acrylic - polyester polyurethane coating specifically formulated for in the field, brush or roll application on various substrates. **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.

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-COAT UC™** topcoat.

Aluminum:	Sand with #P180 to #P320 grit.
Fiberglass:	Sand with #P180 to #P320 grit.
Steel:	Remove existing rust and oxides by dry sanding with P#80 to #P320 grit.

3.

Surface Cleaning New:
For aluminum and steel, 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™** Approved primers after the substrate has dried or flash rusting may occur.

Surface Cleaning Previously Painted:
Clean with **Q-SOLV™** Approved Cleaners / Degreasers and scuff to produce a surface profile using sand paper (400 to 600 grit), soda blast, flex cloth (400 – 600 grit), brass wire end brushes or brass wire cup brushes. Once the surface has sufficient profile then re-clean to remove sanding debris. 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 before top coating. Refer to TDS information on selected QHF brand primers before proceeding.

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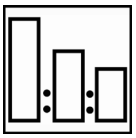
4. **GLOSS SELECTION OBTAINABLE:**

Gloss Level Selection:

High Gloss, Semi-gloss, Low Gloss or Matte can be obtained.

5. 

Mixing Procedure and Ratio:

Combine:

4 parts **Q-COAT UC™** Mixed Color
1 part **Q-ACTV UA5020™** B/R Activator
1/2 part **Q-SOLV UR1081™** B/R Additive

Optionally add:

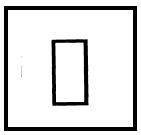
Up to ½ oz Accelerator per mixed quart in high gloss level colors
Up to 1 oz Accelerator per mixed quart for lower gloss level colors

Stir until thoroughly blended.

6. **ADDITIVE SELECTION:**

Additive Selections:

Q-SOLV™ UR1094™ Accelerator – Pot Life Extender
Q-SOLV™ UR1099™ Accelerator

7. 

Recommended Application Equipment:

Brush or Roll Application: Can be brushed or rolled. Only use quality brushes (china bristle) or short nap ¼" (urethane approved mohair) roller covers to apply such as Wooster R207 mohair blend for urethane paints. Thoroughly wet the roller cover with paint to remove all air before applying on the production substrate as this will lessen air bubbles in the film. Do not press down on the roller cover while rolling as this will inject air into the film. Roll in one direction if possible with a 50% overlap at all times. To avoid overlap marks, do not re-roll onto an area that has begun to dry. If a second coat is required, allow first coat to flash for 5 to 10 minutes before second coat application.

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8. **FILM PROPERTIES:**

Apply to achieve 1.5 mils minimum dry film thickness **and** to complete opacity. The use of opacity black and white spray monitors, wet and dry film thickness gauges and cross hatch adhesion testers are always recommended.

9. **DRY TIME:**

Dry to handle at 75°F is 4 to 6 hours.

Dry to package and ship at 75°F is 48-72 hours minimum.

Application of vinyl graphics is 48–72 hours depending on curing conditions and the type of vinyl.

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 loss of gloss, poor film resistance, decreased performance, reduced chemical resistance and or improper curing.

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.

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

Not to be applied below the waterline.

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.
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