DURATEC WHITE QUICK LEVELING TOPCOAT

PRODUCT #614-079

Hawkeye Industries

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KEY USES

- Engine Room
- Waterslide laminate sealer
- Bilge Compartment
- Marine exhaust system duct coating

FEATURES

- AIR CURE

Pre-promoted for simplicity and consistent performance. No wax or barrier coat is required. One-step use. Catalyze and use.

- OFF-THE-GUN GLOSS

No-sanding and buffing required for a gloss finish. Ideal for rough or textured surfaces.

- CHEMICAL RESISTANT

Withstood 500 hours immersion in water, brake fluid and transmission fluid.

- DURABILITY

Good UV and weathering properties for exterior durability.

- TEMPERATURE STABILITY

Up to 200F distortion temperature.

COLOR OPTIONS

- Brown (601-079)
- Black (602-079)
- Grey (607-079)
- White (614-079)

DESCRIPTION

The Duratec Quick-Leveling Topcoat provides a terrific high-build coating for exposed laminate. Resistance to common engine-space products such as transmission fluid or brake fluid assures that laminate is protected from common marine chemicals. As a laminate coating the topcoat seals and protects laminate from water and UV, preventing breakdown of the structural resin.

PRODUCT PROPERTIES All time calculations are based on temperatures of 77F, 25C Lab tested with Norox 925 MEKP	
Viscosity, #2 spindle, Brookfield RVF	4300-5400 cps
Thixotropic Index	5.0 minimum
Gel time @ 2% MEKP	11-19 minutes
Weight per gallon	10.8 lbs/gal
Coverage per gallon, 10 mil thickness	80 cu ft2
Wt% styrene	< 25%
Wt% total volatile	< 29%
Wt% HAPs	< 28%

SAFETY & HANDLING

Duratec Quick Leveling Topcoat is extremely flammable. Do not apply near sparks, open flames or heat. Keep area ventilated. Do not smoke. Avoid continuous breathing of vapor. Duratec Quick Leveling Topcoat contains ingredients which could be harmful if mishandled. Contact with skin and eyes should be avoided and necessary protective equipment and clothing should be worn. Individuals should wash with soap and water before eating or drinking. All containers should be properly labeled to prevent accidental ingestion or improper disposal. Individuals should reseal any partly used material back in the container. Store under cool, dry conditions and away from open flames and high temperatures. For more detailed instructions on storage, please see the MSDS sheet.

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APPLICATION GUIDE | PRODUCT #614-079

PLEASE NOTE

The following use instructions are broad to address multiple applications. We recommend testing for product compatability with your process. Please contact our Tech Team at (909) 546-1160 with any questions.

Prepare

Quick leveling top coat is designed to be applied to Fiberglass and other substrates to achieve a tack free and fully cured surface right out of the container, there is no need to add wax or other ingredients for a tack free cure. Catalyst is required.

Polyester & VE laminate surfaces that haven't fully cured can be sprayed over with no further prep work.

Fully cured laminates should be sanded prior to application, 36 to 180 grit can be used as required to prep the surface. Clean the dust from all surfaces prior to applying QLT.

Wood, concrete, and other surfaces may need one of our sealers (823 or 1800) prior to applying QLT for best results.

Mix

Mix thoroughly with a drill-mounted mixer or paint shaker. Hand stirring is not enough.

Catalyze

Catalyze with MEKP Catalyst at 2% by weight (approx. 20 cc per quart). Norox 925 is a recommended choice. Mix well.

Apply

Spraying

We recommend HVLP air-assisted spray guns. A 2.0 mm tip or larger is ideal. Use 34-40 psi air pressure (at the gun). Adjust the needle and fan to provide the proper spray.

Multiple passes should be used to build up the desired thickness to hide surface irregularities if needed.

On smooth surfaces it can be applied in a thinner film (8-10 mils) and still cure completely.

Large Airless Spray Equipment

For large areas QLT can be sprayed through airless spray equipment just like normal gel coat.

Tip size and pressures will be different for each brand, style and type of unit, so some testing Prior to spraying the first part will be required.

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Rolling & Brushing

QLT can be rolled or brushed with very good results. Depending on the substrate's texture or color, more than one coat may be required to achieve the desired look.

Wait for the surface to become somewhat tack free (nothing coming off on your finger) before applying another coat.

Additional solvent is not needed for most spray guns. If solvent is required, do not add Acetone or Styrene. Duratec Reducer 39UCE-3 is the best choice, at 3-5%. Lacquer Thinners are not recommended.

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TROUBLESHOOTING | PRODUCT #614-079

Problem	Cause	Solution
Alligatoring	Not enough catalyst used.	Check for proper catalyst levels.
	Substrate/product incompatibility or chemical reaction.	Check compatibility of surface of product.
	Product sprayed on cold surface.	Expose surface to higher temperature before spraying when ambient temp of below 64 F, 18 C.
Blisters	Substrate not cured, gassing underneath product.	Completely cure putties, pastes and compounds before applying product.
Cracking	Product sprayed too thickly, too fast.	Increase the number of passes, adding dwell time between coats.
Dimples (Craters)	Film build up too rapid, solvent trapped in product.	Increase the number of passes to achieve desired thickness. Allow for "flash off" between passes.
Fisheyes	Substrate contaminated.	Do not use a "tack rag", slow evaporating solvent.
	Contamination in the air.	Spray in a clean area to minimize airborne dust, water, waxes, and/or silicones.
	Contamination in the line.	Spray with dry filtered air.
Orange Peel	Spray equipment set up incorrectly.	Follow the instructions for equipment set up.
	Spray pressure incorrect.	Set pressure at 34-40 psi.
	Pot pressure incorrect.	Set pressure at 10-12 psi.
Pattern surface sticks to mold upon release	Improper release preparation.	Follow manufacturer's instructions when applying release materials.
	Primer not fully cured before compounding and polishing.	Follow instructions in the application guide for pattern surfacing.
	Excess gel time for tooling gel coat.	Follow manufacturer's recs for gel time
Pinholes	Substrate porosity.	Fill porous areas with product using squeegee, brush or roller before spraying.
Porosity	Spray pressure too high.	Reduce pressure to 34-40 psi.
	Spray orifice too small.	Use larger orifice.
	Acetone used as thinner.	Use slower solvent such as MEK or Duratec Reducer