COUNTERFORM
CONCRETE COUNTERTOP SOLUTIONS

Z Aqua-Thane G40

Product Description

Z Aqua-Thane G40™ is a water-borne, two-component, self cross linking polyurethane coating. It exhibits a high gloss finish and offers superior stain, abrasion and chemical resistance. The durability makes this sealer ideal for high-traffic areas. Z Aqua-Thane G40 is safe for indoor or outdoor use.

Features and Benefits

- Provides a glossy, abrasion resistant finish.
- Excellent chemical resistance.
- UV Resistant
- Fast drying

Typical Application

Z Aqua-Thane G40 is recommended as a primer or finish coat on properly prepared concrete surfaces. This may include stained or dyed floors, concrete countertops, overlays/microtoppings, and ornamental concrete. It is food safe and safe for indoor or outdoor use. Z Aqua-Thane G40 will slightly wet out (darken) concrete. The amount of darkening will depend on surface porosity so a test should always be done first to confirm results.

Technical Information

Gloss 60	less than 90
Pendulum Hardness	1 day 35 s, 7 day 3 min
Heat Resistence	300ºF
Water Resistance	Excellent
Chemical Resistance	see below
Solids % Weight (Federal Spec. TTP-141B)	40%
VOC	< 75 grams/liter
Mix Ratio	2 parts A to 1 part B
Coverage	50-75 sq. ft. / 1.5 quart kit
Pot Life	2 hours
Dry Time-Recoat (50% R.H. @ 72 F)	6-12 hours
Dry Time-Light Traffic (50% R.H. @ 72 F)	24 hours
Dry Full Time-Cure (50% R.H. @ 72 F)	3-5 days

Chemical & Stain Resistance (ASTM D-1308 24 Hour Spot Test)

Toluene	No Effect	Urine	No Effect
Ethanol	No Effect	Motor Oil	No Effect
Sulfuric Acid (10%)	No Effect	Transmission Fluid	No Effect
Acetic Acid (3%)	No Effect	Wine	No Effect
Mustard	No Effect	Coffee	No Effect

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Coverage

Application Surface	Distance
Prepped Concrete	50-75 sq. ft. @ 2 coats (one 1.5 qt. kit)

*Coverage will vary depending on surface porosity and texture. Exessive build up should be avoided.

Instructions

Surface Prep: New concrete must be completely cured before applying this sealer. Any moisture remaining in the concrete can cause adhesion issues. A minimum of 10 days after the concrete has been poured, you can check the concrete with either a concrete moisture meter or by taking several 18x18 inch sheets of clear plastic and thoroughly taping it to the surface completely around the edges. If after 24 hrs the plastic and concrete are dry, it is assumed there are not hydrostatic pressure problems. If acid stains or washes are used, the concrete must be completely neutralized back to a pH of 7. On all new hard troweled concrete a light sanding with 100-200 grit sand paper is recommended to open the surface and promote adhesion. On burnished, highly polished or concrete cast against smooth surfaces, additional sanding or acid etching may be required for the best adhesion properties. If diamond polishing with a wet polisher, do not exceed 200 grit. On textured or stamped concrete, no additional steps are required but in all cases concrete should be clean and 100% free of all dust, debris, or previous coatings. When used outdoors, countertops should be covered, in case of rain, for 72 hours prior to and after application of sealer.

Mixing: Mix exactly 2 parts of A to 1 part of B. Mix thoroughly with a paint mixing stick and always scrape the sides of your mixing container to ensure a uniform mixture. Mix adequately for 2-3 minutes. Failure to properly mix components may result in adhesion or hardness issues. Pot life of mixed components is roughly 2-3 hours at 75ºF.

Application: Concrete surface should be between 55ºF and 85ºF. In smaller areas such as countertops, a 1/4” nap roller or a micro-fiber applicator pad is recommended. Product should be applied in a thin even coating. Do not allow to puddle in low areas. Back rolling may be necessary to control thickness and guarantee a uniform coating. Two coats should be applied for maximum protection. Recoat time is between 6-12 hours at 75ºF and the first coat should be tack free. If this window is missed, the first coat may have to be lightly sanded with 300 grit paper before applying a second coat.

Clean-Up and Removal

All tools and sprayer can be cleaned with xylene or similar solvent prior to end of pot life. Dispose of containers in accordance with local and federal regulations. Dried, cured product may be removed with a commercial stripper, but recommended removal is by way of mechanical means, including sanding, shotblasting, etc.

Precautions and Limitations

- Z Aqua-Thane G40 will not freeze during storage, however, allow temperature to rise to a minimum of 50 ºF prior to application.
- Coverage rates depend upon many conditions including application method, surface porosity, applicator, etc.
- Be aware this product may be slippery when wet. Anti-slip additive may be needed to reduce slip hazard on certain surfaces.

•• If applying over an existing colored surface, proper adhesion and compatibility tests are essential. When using this product, the substrate preparation, application, performance and all other liabilities are strictly the end users responsibility. CCS and it’s affilitates offers no guaranty, warranty or other claims to the success or results from the use of this product. CCS warrants the product to be free of defects and will replace or refund the purchase price of the product in the case that said products are proven defective. Any consequential damages including any labor costs are not covered by this warranty and are therefore not recoverable from the manufacturer or associated reseller.

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