



RapidShield™ 0011 CT Gloss Topcoat

Application

RapidShield™ 0011 CT Gloss Topcoat is a high gloss 100% solid, UV cured, permanent coating intended for use on concrete counter tops. The RapidShield™ product range is cured using UV curing units approved for use by Quaker Chemical Corporation. RapidShield™ 0011 CT Gloss Topcoat is formulated using only reactive 100% solids materials and conforms to LEED Guidelines.

Product Suitability

RapidShield™ 0011 CT Gloss Topcoat is used as a final top coat over top of RapidShield™ 0001 CT Primer or RapidShield™ Color(s). RapidShield™ 0011 CT Gloss Topcoat is designed to provide a glossy, easily cleaned, surface for institutional and residential concrete counter tops.

Benefits

- VOC Compliant (<50 g/l)
- Ideal for low temperature applications
- Easily cleaned
- Instant curing
- Glossy appearance
- Superior wear resistance

Limitations

The minimum application temperature for RapidShield™ 0011 CT Gloss Topcoat is -5°C/23°F and 3°C above dew point. Optimum application temperature is 20°C. Maximum relative humidity is 85%.

RapidShield™ 0011 CT Gloss Topcoat should only be applied on top of RapidShield™ 0001 CT Primer or RapidShield™ Color(s) or directly to the concrete counter top. RapidShield™ 0011 CT Gloss Topcoat should not be applied to a film thickness exceeding 7 mils. The concrete should be <75% relative internal humidity before applying RapidShield CT products directly to the concrete.

General Instructions

The following directions and recommendations are intended to serve as a guide and may require modifications to meet local needs:

Thinning: RapidShield™ 0011 CT Gloss Topcoat is a 100% solids product and is designed to be used as supplied. Thinning of this material voids all product performance indications.

Property	Test Method	Typical Value
Typical Properties - Product as Received		
Appearance	GTM 2240	Amber
Specific Gravity	GTM 1510	1.14 +/- .1
Viscosity (#3 Zahn S90)	GTM 1626	23 +/- 2 s @ 77°F
VOC (less water and exempts)	Calculated	<0.21 lbs/gal
Solids	Theoretical	100% wt
Coverage	Theoretical	267 - 400 ft ² /gal
Recommended Thickness	Theoretical	4 - 6 mils
Typical Properties - Cured Film (at 5 mils)		
Appearance	GTM 2240	Clear Film
MEK Resistance*	ASTM D 5402	>100 Double Rubs
Pencil Hardness	ASTM D 3363	>= 2H
Gloss (at 60° observation)	ASTM D 523 - 08	>70 Gloss Units
Intercoat Adhesion**	ISO 2409, ASTM D3359	100% Adhesion
Abrasion Resistance (1000 cycles, CS17, 1000 g)	ISO 5470-1, ASTM D 4060	<100 mg wt. loss

* Refer to our Chemical Resistance Sheet for additional information.

** On top of properly applied and cured RapidShield™ Colors, or RapidShield™ 0001 CT Primer



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General Instructions Continued

Mixing: RapidShield™ 0011 CT Gloss Topcoat is a 100% solids product and is designed to be used as supplied. This product contains certain ingredients that may settle or float over time. Uniformity of the product is essential to achieve optimum performance of the product. RapidShield™ 0011 CT Gloss Topcoat should be mixed for approximately five minutes using a power mixer prior to use.

Materials: RapidShield™ 0011 CT Gloss Topcoat is primarily designed for coating of concrete counter tops. Please contact your Quaker representative or local (CCA) Certified Countertop Applicator for advice on any other substrates.

Surface Preparation: RapidShield™ 0011 CT Gloss Topcoat may only be used as a final topcoat over top of RapidShield™ 0001 CT Primer or RapidShield™ Color(s). RapidShield™ 0011 CT Gloss Topcoat may be used directly on the concrete surface.

It is essential that RapidShield™ 0011 CT Gloss Topcoat is applied to sound, clean (free of contaminants) and dry surfaces to ensure maximum adhesion. RapidShield™ 0011 CT Gloss Topcoat is designed for coating applications which require typically 2 to 8 mils per coat.

1. Remove dirt, dust, oil, grease, and other surface contaminants before coating. Acid etching is not recommended.
2. Ensure your surface is completely cured, dry, and free from alkali stain and moisture.
3. Prepare the concrete surfaces using an Orbital Sander preparing the surface at a maximum 120 grit profile for long term adhesion.
4. Vacuum the surface removing all debris and dust.
5. Wipe the remaining dust using a mixture of 1 part Denatured Alcohol and 3 parts water. The Denatured Alcohol will force the water to flash off.
6. Make sure surrounding areas are very clean from all debris, i.e. dirt, dust, grease, oil, etc. where the UV lamp is positioned and the product and other tools are located.

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Application: By roller or squeegee or micro-fiber pad. RapidShield™ 0011 CT Gloss Topcoat should be used in a well ventilated area. Avoid breathing mist or vapors. Consult Material Safety Data Sheet for handling and safety information.

Shelf life: Shelf life is limited to one year in the original packaging and when stored under conditions described below.

Curing Instructions

Only UV curing equipment authorized by Quaker Chemical Corporation and verified to be in proper operating condition may be used to cure RapidShield Products. Curing instructions and parameters are supplied during the (CCA) Certified Countertop Applicator Training Session. Failure to comply with any of these conditions may impact product performance.

Storage, Safety & Disposal

Quaker supplies this quality product in pails. Other packaging can be made available by Quaker or by your local Dealer upon request. RapidShield™ 0011 CT Gloss Topcoat should be stored in dry conditions and protected from direct sunlight. Avoid temperatures below 0°C and above 35°C during storage. For the purposes of shipping, RapidShield™ 0011 CT Gloss Topcoat is resistant to temperatures down to -40°C.

RapidShield™ 0011 CT Gloss Topcoat is unlikely to present any significant health or safety hazard when used as recommended by Quaker. Good standards of personal and industrial hygiene are to be maintained by the user (see Material Safety Data Sheet). In order to protect the environment, the product should be safely disposed of by a licensed contractor. The packaging material should be handled by a recognized reconditioning firm.

