



1040 WB Epoxy

LOW VOC WATER BASE TWO PART EPOXY

PRODUCT DESCRIPTION

1040 Epoxy is a specially formulated, two component, low viscosity two part coating/primer for interior use. This product provides a tough, scratch resistant, coating that may be used the finish coat or as a primed surface for other high performance coatings.

FEATURES AND BENEFITS

- ◆ Provides glossy, abrasion resistant finish
- ◆ Excellent chemical resistance.

TYPICAL APPLICATIONS

1040 Epoxy is recommended as a prime or finish coat on properly prepared concrete surfaces. This may include stained or dyed floors, concrete countertops, interior overlays and mactoppings, and interior ornamental concrete. 1040 Epoxy does not typically wet out(darken) Substrates as much as their solvent based counterparts thus can be more desirable when color change is not acceptable.

TECHNICAL INFORMATION

Abrasion Resistance.....	.54—65 mg loss <small>(Tabler Index, ASTM 4060-81, CS-17 Abrasion Wheel, 1000 gram load)</small>	VOC.....	< 200 grams/liter
Gloss 6086	Mix Ratio (a/b volume).....	1 to 1
Elongation (ASTM D882-67).....	5.1 - 7.1%	Coverage (3 mils drf.).....	250 sq. ft./ga
Flexibility (1/8" Mandrel).....	Pass	Viscosity.....	200-300 cps
Hardness (7 days).....	F	Pot Life.....	1 hr
Heat Resistance.....	300 F	Dry Time-Set to Touch (50% R.H. @ 72 F).....	40 min
Water Resistance.....	Excellent	Dry Time-Recoat (50% R.H. @ 72 F).....	4-8 hours
Solids % Weight (Federal Spec. TTP-141B).....	40%	Dry Time-Light Traffic (50% R.H. @ 72 F).....	14 hours
Density lbs/Ga. (Federal Spec. TTP-141B).....	8.54	Dry Time-Cure (50% R.H. @ 72 F).....	24 hours
		Dry Time-Full Cure (50% R.H. @ 72 F).....	3-5 days

CHEMICAL & STAIN RESISTANCE (ASTM D- 1308 18 HOUR IMMERSION)

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	Slight stain
Mustard	No Effect	Coffee	No Effect

COVERAGE

Application Surface

New (unsealed) concrete

First Coat Optional

250-300 ft²

Second Coat

300-325 ft²

*Coverage rates vary depending upon surface porosity and texture, and application method. Excessive build up should be avoided.

**Please refer to application instructions for proper application of second coat.

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IMPRESSIONS

Walttools, 1262 Leah Rd, Morris, IL 60450

888.263.5895

www.walttools.com

INSTRUCTIONS

SURFACE PREPARATION:

New Concrete: Acid etch evenly with a solution of 1 part commercial muriatic acid to 3 parts clean water (by volume) and rinse thoroughly with a neutralizer, or a neutralizing solution of 1 cup ammonia to 5 gallons clean water to achieve a neutral substrate of 7 pH. Allow surface to dry completely prior to coating application. **Light shotblasting or diamond grinding is suggested for superior adhesion.** A vapor test should be performed before application. This is simply taking a 6x6 inch sheet of clear plastic and thoroughly taping it to the surface completely around the edges. If after 24 hrs the plastic is dry it is assumed there is not hydrostatic pressure problems.

Coated Concrete: An existing coating must be completely removed prior to applying new product or a thorough sanding or other mechanical grind-ing is highly recommended to prepare the surface if applying over an existing coating. After existing coating is removed or sanded and prepared a test area coat is highly recommended to test adhesion prior to entire application. Substrate temperature must be no less than 55 degrees F and not exceed 90 degrees F. Avoid applying coating in high humidity/moisture atmospheres. If applied outside these limits the coating may not achieve adequate film formation and may have excessive air entrapment, bubbles, blushing or hazing.

MIXING: Mix exactly 1 parts of A to 1 part of B. Mix thoroughly to ensure uniform coating, color (if applicable), and thorough curing properties. No induction time is needed. Be sure to only mix enough material that can be applied within 1 hour.

APPLICATION: It is recommended to apply this coating using a 3/8"-1/2" shed-free, phenolic core roller. Apply evenly at a rate of 250-300 square feet per gallon, always keeping a wet edge. Back rolling is necessary to achieve a uniform, roller mark free application. It is recommended to work in sections usually using control joints as dividers to ensure proper application results. Do not allow to puddle. Use a bristle brush to remove excess coating in joints. It is recommended to recoat within 24 hours of first coat (suggested recoat time approximately 10-12 hours in average application temperatures of 50% R.H. @ 72 ° F). If recoat time exceeds 24 hours, light sanding of the coated surface is recommended to ensure proper adhesion.

If using 1040 Epoxy as a primer, application of the finish coats should be done within 24 hours.

PLEASE NOTE: It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results prior to application. May darken some surfaces.

Coverage rates may vary for all coatings and substrates depending on porosity, density, texture etc.

CLEAN-UP AND REMOVAL

Use PM solvent. 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

- ▶ **1040 Epoxy** will not freeze during storage, however, allow temperature to rise to a minimum 50 degrees F prior to application.
- ▶ It is not recommended to apply **1040 Epoxy** over existing coatings due to inadequate adhesion.
- ▶ Coverage rates depend upon many conditions including application method, surface porosity, applicator, ect.
- ▶ **1040 epoxy** should be applied in medium to thin coats. Do not puddle.
- ▶ Be aware that this product may be slippery when wet. Anti Slip additive may be needed to reduce surface slip hazards.
- ▶ 1040 Epoxy may be applied over wet or damp surfaces as long as the moisture is not from existing vapor barrier problems. Moisture tests may be necessary prior to application.

NOTES

Please consult Material Safety Data Sheet (MSDS) and read Warranty information prior to use. This information can be requested by contacting customer service at 888.263.5895.

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