

PRODUCT DATA

CANTOL100 Two Component 100% Solids Epoxy Coating

DESCRIPTION

The **CANTOL100** line of two component 100% solids epoxy floor coatings are advanced formulations based on high performance epoxy resins designed to provide superior functional and decorative properties. Z **CANTOL100** delivers an environmentally friendly, cost effective and superior protection for concrete floor coating in commercial, industrial and residential applications. **CANTOL100** increases the life of the substrate by providing high chemical resistance, high mechanical strength, excellent durability and adhesion while offering a beautiful porcelain like high gloss finish.

FEATURES

- 100% Solids Epoxy
- Easy To Use
- High Chemical Resistance
- Easy To Mix
- Pot Life is 45 min
- High Mechanical Strength

DIRECTIONS

SURFACE PREPARATION

CANTOL100 should be applied only on clean, sound surfaces free from oil, grease, wax, foreign materials and paint subject to flaking or peeling. Clean and prepare concrete surfaces mechanically or clean surfaces with a degreaser, rinsing thoroughly and allow to dry before applying the coating. A clean, dry, solid, uncontaminated substrate SHOULD BE provided.

PRODUCT MIXING

This product has a mix ratio of 1 part A to 1 part B. To mix, pour contents of PART B container into the PART A container and mix thoroughly with slow speed mixing equipment such as a jiffy mixer, putty knife or spatula until the material is thoroughly mixed and uniform in color. Improper or insufficient mixing may result in product failure. Do not mix the two components until you are ready to begin application. Once mixed, the coating must be applied within one hour.

PRIMING:

No priming is necessary.

PRODUCT APPLICATION

Apply coating using high quality lint free low pile roller or a standard brush.

RECOAT OR TOPCOATING

Allow 16 - 20 hours before applying second coat.

CLEANUP

Clean skin with soap and water or a standard hand cleaner immediately. Do not let coating dry.

RESTRICTIONS

CONCRETE: Freshly poured concrete must age a minimum of 30 days before coating is applied.

TECHNICAL DATA

Sheen: High Gloss

Solids By Weight: 100%

Volatile Organic Content: Zero pounds per gallon

Recommended Thickness: 20 mil – 2 coats

Coverage per Kit: Max. 400 sq. ft./4 lt. kit – one coat

Mix Ratio: 1 part A to 1 part B

Shelf Life: 2 years in unopened containers properly stored at normal room temperature.

Flexural Strength: 11,400 PSI, 7 days

Compressive Strength: 14,225 PSI, 7 days

Tensile Strength: 6,830 psi @ ASTM D638

The logo for Cantol, featuring the word "cantol" in a lowercase, blue, sans-serif font, enclosed within a blue rounded rectangular border.

PRODUCT DATA

CANTOL100 Two Component 100% Solids Epoxy Coating

Cure Schedule: (70°F)

Pot life – 4 litre volume	45 minutes
Recoat Or Topcoat.....	16 - 20 hours
Full Cure (heavy traffic)	7 days

Mil Thickness: 20 mil – Two Coats

CHEMICAL RESISTANCE: (IMMERSION)

REAGENT	3 Hours	24 Hours	3 Days	7 Days	28 Days
Deionized Water	Excellent	Excellent	Excellent	Excellent	Excellent
Road Salt	Excellent	Excellent	Excellent	Excellent	Excellent
Ethanol	Moderate	Moderate	Moderate	Moderate	Moderate
MEK	Excellent	Good	Moderate	-	-
10% Lactic Acid	Excellent	Excellent	Excellent	Good	Good
10% Sulfuric Acid	Excellent	Excellent	Excellent	Good	Good
70% Sulfuric Acid	Excellent	Excellent	Excellent	Excellent	Excellent
50% Sodium Hydroxide	Excellent	Excellent	Excellent	Excellent	Excellent
10% Sodium Hydroxide	Excellent	Excellent	Excellent	Excellent	Excellent

LIMITATION

Do not thin or dilute coating. Do not apply over wet, glistening surface.

ABRASION TESTING

CANTOL100 is a two component 100% solids epoxy coating system tested by an independent lab for abrasion resistance relative to four concrete floor coatings. Each coating was applied by a 5mm pile roller in two coats to smooth concrete stones and allowed to dry cure at room temperature. Abrasion tests were conducted at two intervals, at 48 hours and at 7 days from the time of the second coat application.

PROCEDURE

Abrasion testing was performed on a standard gardner-style scrub tester, using diamond grit No. 220 wet abrasion paper, kept wet by periodic water spray and changed every 1000 cycles. Cycles to fail indicate the number of abrasive cycles to wear through the coating film and expose a minimum of one square inch of the concrete substrate.

ABRASION TEST RESULTS COATINGS

	CYCLES TO FAIL	
	After 48 Hours	After 7 Days
Solvent Based Alkyd Floor Paint	48	128
Solvent Based Urethane	64	96
Two Part Water Based Epoxy	144	224
Two Part Solvent Based Epoxy	336	1,024
CANTOL100 100% Solids Epoxy	5,912	6,992

PRECAUTIONS

WARNING: Causes irritation. Avoid contact with skin and eyes. Use with adequate ventilation. Wash thoroughly after handling. May cause skin sensitization. **KEEP OUT OF THE REACH OF CHILDREN. FIRST AID:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek prompt medical attention. Flush skin with soap and water. If ingested, do not induce vomiting. Call a physician. **READ THE MATERIAL SAFETY DATA SHEET (MSDS) BEFORE USING THIS PRODUCT.** For industrial and institutional use only.

GUARANTEE

Cantol guarantees its products, when used as directed, to do all it claims. Should the product fail to demonstrate our claims, the remaining material may be returned to us and no charge will be made.

