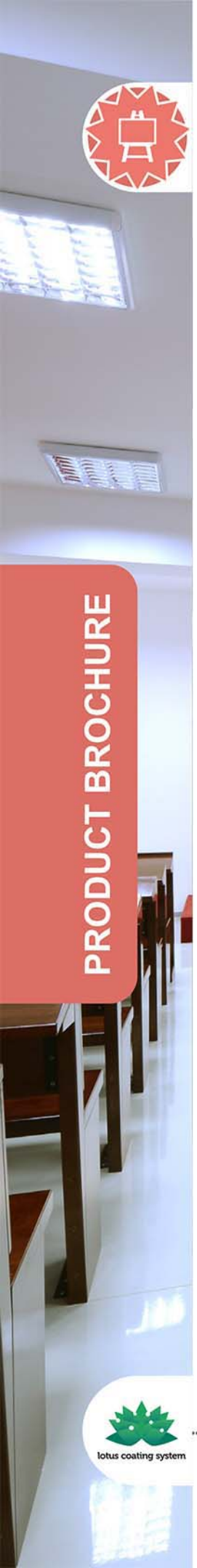

PRODUCT BROCHURE

WONDERWALL! Dry Erase Coating System

HIGHLY DURABLE & LOW MAINTENANCE

Lotus WonderWall! Coating System is a 2 **part Epoxy coating system** designed to be **self-priming** and **self-leveling**. The coating system may be applied to any hard surface including blackboards, sheetrock walls (whether bare or painted), wood, and heavily 'ghosted' dry-erase boards. The coating **cannot be damaged by ammonia** containing cleaners. The Lotus WonderWall! coating is easily cleaned, simply using Dry Erase erasers. Inadvertent use of a permanent marker such as a Sharpie may be easily cleaned with a cloth dampened with isopropyl alcohol.

USE OVER

Lotus WonderWall! may be applied to any interior or exterior hard surface including but not limited to blackboards.

SURFACE PREPARATION

All surfaces must be thoroughly clean and completely dry. Remove all foreign substances such as wax, grease, oil, dirt and any substance or chemical that would interfere with a good bond. Surfaces to be covered to 80°F and the relative humidity should between 25% and 70% at the time of application.

INSTALLATION

It is recommended that gloves and safety glasses be used when applying the Lotus WonderWall! Coating. Completely empty the **Epoxy Cure** container into the **Epoxy Base** container. Completely and thoroughly mix the two components using paint stir-stick or a mechanical mixer with a jiffy attachment. (NOTE: If mechanical mixing is utilized, care should be maintained not to mix too quickly as this could entrain air into the Lotus WonderWall! Coating). After mixing, the Lotus WonderWall! Coating may be applied with an air-atomized sprayer set at no more than 40 psig; however, the coating may also be applied using a high-density foam roller. Lotus WonderWall! Coating should be applied at a spread rate of approximately 600 sq.ft thickness on the applied surface. (NOTE: Application utilizing an air-atomized sprayer will incur an approximate 20% loss of material) It is imperative that proper personal protection (face mask, gloves, long sleeves, long pants and a breathing apparatus) be utilized prior to the application utilizing an air-atomized sprayer. Thinning of the Lotus "WonderWall!" Coating is not normally necessary for spray applications however, if thinning is required for proper atomization; thin with Lotus 46 Thinner, at a rate of no more than 5% by volume. /gallon. A 600 $ft.^2$/gallon-spread rate equates to an approximate 3 mil.

PHYSICAL PROPERTIES

BASE : Highly Cross-Linked, High Molecular Weight Epoxy Resin

COLORS : Clear, White, Beige. Custom colors available upon request

FINISH : High Gloss, Satin and Matte and Flat (Flat finish offers a "Projection able" grade finish with no glare occurring)

COVERAGE : Approx. 600 $ft.^2$/gallon (158 $ft.^2$/liter) at approx. 3 mil. recommended coating thickness

SOLIDS CONTENT : 80% by weight - Smooth Finish
100% by weight - Orange Peel Finish

POT LIFE : 1 hour @ 77° F.

INITIAL CURE TIME : 4 Hours Catalyzed
8 Hours Un-Catalyzed

PACKAGING : 50, 150, & 600 sq.ft. kits

VOC : 230 grams / liter - Smooth Finish
0 grams / liter - Orange Peel Finish

CHEMICAL CURE : 3 - 5 days post application

CAUTION : DO NOT take internally. If swallowed, DO NOT induce vomiting. Call a physician immediately. KEEP OUT OF REACH OF CHILDREN. This material may cause skin and/or eye irritation. Avoid prolonged contact with the skin or breathing of vapors or mist. If the material is spray applied, use proper face and breathing apparatus protection. Keep material away from heat and open flame. This material is designed for application by professionally trained personnel, using proper equipment. This product is not intended for sale or use by the general public.

WARRANTY INFORMATION : This material is manufactured according to exacting quality control standards and is warranted to be free from manufacturing defects. Defective material called to our attention within one year of manufacture will be replaced. No guarantee, expressed or implied, is made regarding the performance of this product since the manner and conditions of application are beyond our control.

lotus coating system

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CHEMICAL RESISTANCE PROPERTIES

Acids, Inorganic	10% Hydrochloric Acid 30% Hydrochloric Acid (Muriatic) 10% Nitric Acid 50% Phosphoric Acid 37% Sulfuric Acid (Battery Acid)
Acids, Organic	10% Acetic Acid 10% Citric Acid Oleic Acid
Alkalies	10% Ammonium Hydroxide 50% Sodium Hydroxide
Solvents (Alcohols)	Ethylene Glycol (Antifreeze) Isopropyl Alcohol Methanol
Solvents (Aliphatic)	d-Limonene Jet Fuel (JP-4) Gasoline Mineral Spirits
Solvents (Aromatic)	Xylene
Solvents (Chlorinated)	Methylene Chloride
Solvents (Ketones and Esters)	Methyl Ethyl Ketone (MEK) Propylene Glycol Methyl Ether Acetate (PMA)
Miscellaneous	20% Ammonium Nitrate
Chemicals	Brake Fluid Bleach Motor Oil (SAE 30) 20% Sodium Chloride 1% Tide® Laundry Soap 10% Trisodium Phosphate

PHYSICAL/PERFORMANCE PROPERTIES

MATERIAL PROPERTIES (LIQUID) Volatile Organic Compound (VOC) lb/gal (g/L)	TEST METHOD	RESULTS
Density, Lb/gal (kg/L)	ASTM D 1475 - 85	Smooth Finish Base 9.1 (1.091) Smooth Finish Cure 8.40 (1.007) Smooth Finish (Base + Cure) 9.1 (1.09)
Shelf Life Viscosity, cps Brookfield	ASTM D2196 ASTM D2196	One Year from the date of Manuf. Smooth Finish "Base" 283 @ 56.0% Torque Smooth Finish "Cure" 51.5 @ 10.3% Torque
Coverage Rate, ft^2/gal (m^2/L) Application Thickness, wet mils (mm)		600 (14.76) 2-3
Flash Point, °F (°C) Seta Closed Cup Percent Solids, By Weight	ASTM D3278 ASTM D3278 ASTM A 2540 B-97	Smooth Finish, "Base" 152(66.67) Smooth Finish, "Cure" 105(40.56) Smooth Finish Base 81% Smooth Finish Cure 65% Smooth Finish (Base + Cure) 80%
(a)Standard Formulation, White Matte, Standard Formulation, Clear Gloss	ASTM 2369TES-05 ASTM 2369-07	0.19 (22.92) 0.175(20.96)
(b)Epoxy Base Epoxy Cure Combined (Base + Cure)	ASTM D 5403-93 ASTM D 5403-93 ASTM D 5403-93	1.73 (207.4) 2.94(352.6) 1.82(218.30)
Tensile Strength, psi (MPa)	ASTM D2370	1078 (7.43)
Percent Elongation (resin only) Adhesion, Psi (MPa) Flame Spread Index (FSI) Smoke Developed Index (SDI)	ASTM D2370 ASTM D 4541 ASTM E84-08a ASTM E84-08a	104.1% 355.6 (2.45) 5 (Class A) 0 (Class A)

CURED COATING PROPERTIES (DRY FILM) Abrasion Resistance, mg loss Taber Abraser Avg. 0.002, St. Dev. 0.0008 Coefficient of Friction (COF) Dry Film Thickness, mils (microns)	TEST METHOD	RESULTS
APPLICATION CHARACTERISTICS		
Coverage Rate, ft^2/gal (m^2/L)		600 (14.76)
Application Thickness, wet mils (mm)		2-3
Tensile Strength, psi (MPa)	ASTM D2370 1/2" wide, 4 mil DFT pulled at 0.25"/minute	1078 (7.43)
Percent Elongation (resin only)	ASTM D2370	104.1%
Adhesion, Psi (MPa)	ASTM D 4541	355.6 (2.45)
Flame Spread Index (FSI)	ASTM E84-08a	5 (Class A)
Smoke Developed Index(SDI)	ASTM E84-08a	0 (Class A)

WAL PRINTS #0265-2467846-2467847

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