

SUPREME XTREME

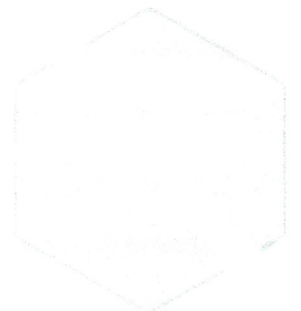
CONCRETE COATINGS SOLUTIONS

HORIZONTAL, VERTICAL, INTERIOR & EXTERIOR APPLICATIONS



UNIVERSITY OF TEXAS - ARLINGTON

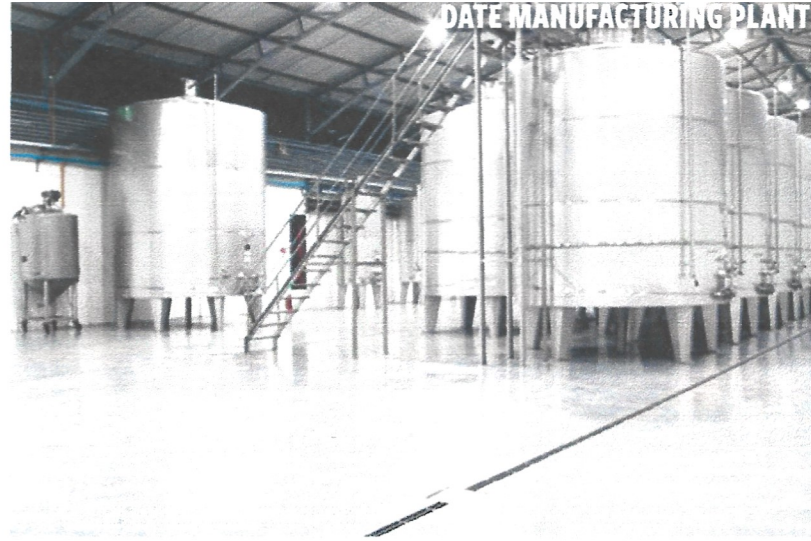
**SOLVENT-FREE - TRUE WATER-BASED VIRTUALLY
ODORLESS - LOW VOC EXCEPTIONAL PERFORMANCE
ALIPHATIC POLYESTER POLYURETHANE**



TECHNOLOGY OVERVIEW

Aliphatic polyester polyurethanes that use water as the "solvent", without sacrificing performance characteristics.

Suitable for virtually any vertical or horizontal surface either interior or exterior with inherent chemical and abrasion resistance, hardness, and UV protection.



WHY COAT CONCRETE?

- PROTECT FROM WEAR
- RESIST CHEMICAL ATTACKS
- INCREASE PRACTICALITY
- FIX SHORTCOMINGS OF EXISTING CONCRETE
- AESTHETICS
- INCREASE SAFETY
- PREVENT SPALLING
- IMPROVE PROPERTY VALUE

ANTI-GRAFFITI

Spray paint, sharpies & other products are easily removed without damaging the coating.

GAYLORD PALMS HOTEL

RESTAURANT

ADHESION

Products have perfect adhesion direct to concrete and do not require a primer. The products are water-based, without the use of a solvent, and do not react to the alkalinity. The products have been successfully used on green concrete

BREATHABLE

Products have a 2.43 perm rating; which is a Class III permeable vapor retarder. Products act as a water barrier not a vapor barrier; allows water vapors to migrate through the coating into the air.

PERFORMANCE

Excellent properties, including:
Tensile Adhesion: 2,500 psi
Pencil Hardness: 4H
Tabor Abrasion: 10-20 mg loss
Impact Resistance: 160 in. lbs.
Flexibility: > 32% elongatio

EXTENSIVE CUSTOMER HISTORY & APPLICATIONS

High profile customers from theme parks, education, healthcare, airports, retail, sports arenas and much more.



SPACE MOUNTAIN - DISNEY WORLD

Orlando, FL

Supreme Xtreme Gloss Orange w/GripLok

One coat was applied direct to the concrete because Disney wanted to provide increased slip resistance.



SOLDIER FIELD - CHICAGO BEARS

Supreme Xtreme Satin Gray

The product was applied with the GripLok to all restrooms and into concourses to improve appearance, performance and slip resistance.

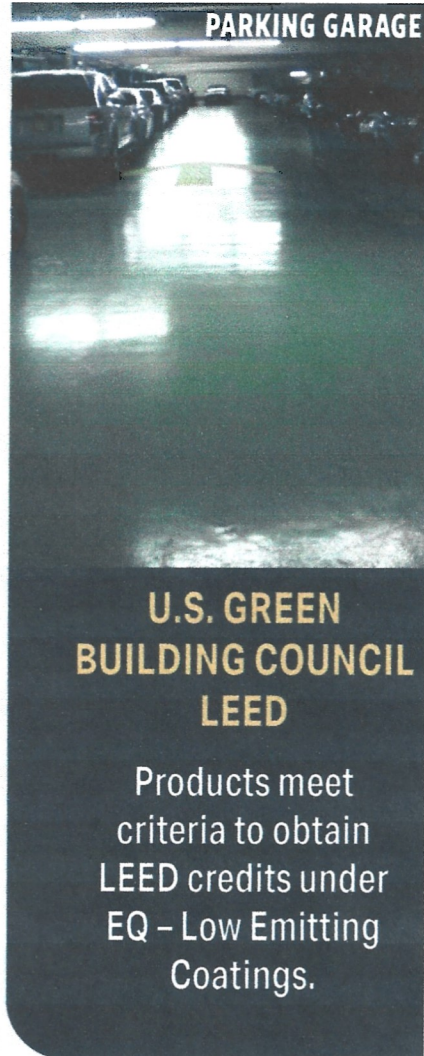


GUARANTEED RATE FIELD - WHITE SOX

Chicago, IL

Supreme Xtreme Satin Clear

The exterior split face block was coated to provide anti-graffiti characteristics and enhance the color of the split face block.



**U.S. GREEN
BUILDING COUNCIL
LEED**

Products meet
criteria to obtain
LEED credits under
EQ - Low Emitting
Coatings.

ENVIRONMENTALLY FRIENDLY PRODUCTS

- ✓ Low to zero VOCs (all products <20 g/l)
- ✓ "Super Compliant" by South Coast AQMD
- ✓ Virtually odorless
- ✓ Does not contain prop 65 chemicals (known to state of CA to cause cancer)

FINISHING OPTIONS

- ✓ High Gloss (>85°)
- ✓ Satin (~50°)
- ✓ Matte (~15°)
- ✓ Comes in clear or any color

CHEMICAL RESISTANCE

Concrete is susceptible to chemical attack by a range of chemicals. Not only do acids eat into concrete but there are many benign chemicals, such as sugar, that react with concrete to completely break down the concrete's integrity, causing catastrophic failure.

PREVENT SPALLING

Products do not react to the alkalinity of the concrete, which protects the reinforced steel. Lower alkalinity allows the reinforced steel to corrode creating stress in the concrete; which causes concrete to crack around the reinforced steel.

EASIER TO MAINTAIN

Without solvents, dirt and other materials cannot stick to the coatings; which makes it easier to clean. Keeps floor from accumulating dust which can contaminate food, beverages, pharmaceutical supplies, artwork and more.

SUPREME XTREME PRODUCT DETAILS

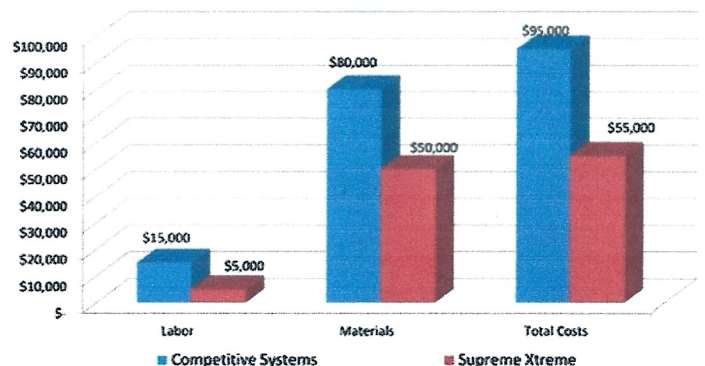
	GLOSS	SATIN / MATTE
Type of Product	Aliphatic Polyester Polyurethane	Aliphatic Polyester Polyurethane
Number of Components	2	2
Dry Time (Hrs.)	6-8	5-6
Dry Time with Accelerator (Hrs.)	3-4	2-3
Pot Life (Minutes)	90	90
Gloss Level (60° Meter)	85°	Satin 50° Matte 15°
Clear or Color	Both	Both
Horizontal Coverage (Sq. Ft.)	350-400	350-400
Vertical Coverage (Sq. Ft.)	250-300	250-300
VOCs (g/l)	< 5	< 15
Solvents	None	None
Primer Needed	No	No
Abrasion Resistance (mg loss)	10-20	33
Hardness	4H	3H
Impact Resistance	160 in lbs.	160 in lbs.
Flexibility	>32%	>32%
Adhesion (1)	5B (100%)	5B (100%)
Tensile Adhesion (psi)	2,473-2,609 (1)	1,600-1,800 (1)
Flame Spread	10 Class A Type I	10 Class A Type I
Smoke Developed	5 Class A Type I	5 Class A Type I

(1) These tests were completed with the coating applied direct to steel, no primer.

(2) This test was completed on concrete and the break occurred in the concrete; the coating itself did not fail.

Significant Cost Savings

- ✓ Single Coat vs. 3+ Coat Systems
- ✓ No Primers - Direct to Concrete
- ✓ 100,000 sq. ft. example:



JFB Hart Coatings

jfb supremextreme.com

Jim Beedie | 630-643-0143 | jimbeedie@aol.com

Aidan Thompson | 630-392-4977 | aidan.thompsonjfb@outlook.com