TECHNICAL DATA SHEET

BF903SLX
URETHANE SLURRY MORTAR

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PRODUCT DESCRIPTION

BF903SLX is a bio-based three or four component (dependent on color) urethane slurry that has outstanding wear performance and can withstand higher heat exposures than typical unmodified urethanes. The product has good thermal shock capabilities and is a good choice for hot wash down areas. The product is resistant to MVT and withstands moderate thermal shock, impact, abrasion and chemical exposures

RECOMMENDED FOR: Resurfacing areas where a durable shock resistant surface is needed such as commercial kitchens, breweries, wineries, restrooms and locker rooms, food prep areas, and food and beverage facilities.

SPECS

SOLIDS BY WEIGHT	Approximately 97% solids (liquids mixed with aggregate)
COMPRESSIVE STRENGTH	8,400 psi @ ASTM C-579
VOLATILE ORGANIC CONTENT	5 grams per liter
RECOMMENDED FILM THICKNESS	Typical finished installation thicknesses vary from 1/8" to 3/16" dependent on broadcast aggregate and topcoats.
PACKAGING INFORMATION	Urethane Cement: (7.25# part A in a gallon container, not full + 7.25# part B in a gallon container not full + 1 bags blended aggregate at 29# and 1# bag of dry pigment (weights approximate)
VISCOSITY	When mixed, it forms a pourable slurry
SHELF LIFE	6 months for unopened containers
FINISH CHARACTERISTICS	Slightly textured rough finish when broadcasted
IMPACT RESISTANCE	160 in. lbs @ ASTM D-4226
DOT CLASSIFICATIONS	Not regulated
TENSILE STRENGTH	1.050 psi @ ASTM C-307
BOND STRENGTH	100% concrete failure @ ASTM D-4541
FLEXURAL STRENGTH	2,700 psi @ ASTM C-580
MIX RATIO	Urethane Cement: (7.25# part A in a gallon container, not full + 7.25# part B in a gallon container not full + 1 bags blended aggregate at 29# and 1# bag of dry pigment (weights approximate)
ABRASION RESISTANCE	Urethane Cement: (7.25# part A in a gallon container, not full + 7.25# part B in a gallon container not full + 1 bags blended aggregate at 29# and 1# bag of dry pigment (weights approximate)
HARDNESS	Shore D = 80 typical
RESISTANT TO FUNGI GROWTH	Passes rating of 1 @ ASTM G-21
HEAT RESISTANCE	Can withstand up to 200F

COVERAGE

PER KIT	The standard kit (approximately 0.39 cu. Ft.) typically yields 37-46 square feet per kit at approximately 1/8"

COLORS

Medium Gray and Tile Red

CURE SCHEDULE (77 Degrees F)

POT LIFE (.25 cu.ft mix)	15 minutes
TACK FREE (Dry to touch)	N/A
RECOAT OR TOPCOAT	12 hours
LIGHT FOOT TRAFFIC	12 hours
FULL CURE (heavy traffic)	24 hours
APPLICATION TEMPERATURE	45-85 degrees F with RH 85%

PRIMERS

None required

TOPCOAT

Recommend to be used with BF253X novolac topcoat

BENEFITS

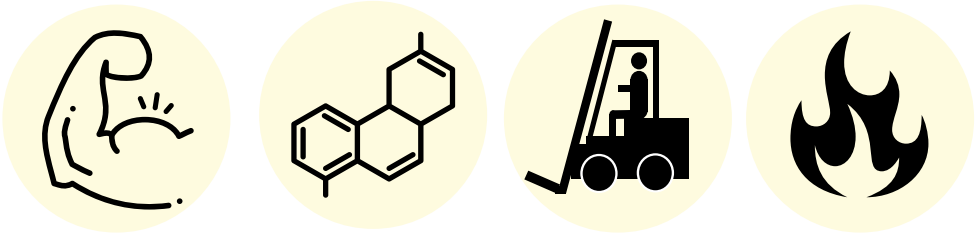
Seamless hygienic finish with no grout lines Low odor, fast installation and fast cure. Thermal shock and chemical resistance.

CHEMICAL RESISTANCE

10% Acetic Acid	PASSED
30% Nitric	PASSED
Sodium Hydroxide 50%	PASSED
Sulfuric Acid 30%	PASSED
Xylene	PASSED

Spot testing per ASTM D1308 for Mustard, Ketchup, Lactic acid, vinegar, and lemon juice were performed and no physical damage to the exposed surface was observed. In 24 hour immersion testing, the following results were observed.

FEATURES



Heavy Duty Slurry Coating

Highly Chemical Resistant

Withstands Forklift Traffic

Heat Resistant

LIMITATIONS

Color stability or gloss may be affected by high humidity, low temperature, chemical exposure or lighting such as sodium vapor lights. Product is not color or UV stable. Do not install on wet concrete. Floors should be sloped to drain to prevent standing water or chemicals and spills should be removed as soon as possible to prevent a slipping hazard. Proper mixing is important for product performance. High heat exposure may discolor the surface. Colors may vary from batch to batch. Therefore, use only product from the same batches for an entire job. Always apply a suitable test area to evaluate the product performance and suitability prior to undertaking the entire project. Samples are available upon request. Mixtures of chemicals and applications with exposures to chemicals at elevated temperatures should be thoroughly evaluated before applying. Substrate temperature must be 5°F above dew point. All new concrete must be cured for at least 15 days prior to application. Moisture vapor transmission should be less than 12 pounds or less per 1,000 sq. ft. over a 24 hour period as per ASTM E1907. See reverse side for application instructions. Physical properties are typical values and not specifications. See reverse side for limitations of our liability and warranty.