TECHNICAL DATA- ARM903SLX
Water Based Cement Urethane Slurry

PRODUCT DESCRIPTION:
ARM903SLX 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, restrooms and locker rooms, food prep areas, and food and beverage facilities

BENEFITS:
*Seamless hygienic finish with no grout lines
* Low odor, fast installation and fast cure.
* thermal shock and chemical resistance.

SOLIDS BY WEIGHT:
Approximately 97% solids (liquids mixed with aggregate)
VOLATILE ORGANIC CONTENT:
5 grams per liter
STANDARD COLORS:
Gray, tan and red. (Special colors available with minimum quantities.)

FILM THICKNESS:
Final film thickness varies, dependent on concrete conditions and system used. Typical finished installation thicknesses vary from 1/8" to 3/16" dependent on broadcast aggregate and topcoats.
COVERAGE PER KIT:
The standard kit (approximately 0.39 cu. Ft.) typically yields 37-46 square feet per kit at approximately 1/8".
PACKAGING INFORMATION / 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)
SHELF LIFE:
6 months for unopened and properly stored containers.
FINISH CHARACTERISTICS:
Slightly textured rough finish when broadcasted

COMPRESSIVE STRENGTH:
8,400 psi @ ASTM C-579
TENSILE STRENGTH:
1.050 psi @ ASTM C-307
BOND STRENGTH:
100% concrete failure @ ASTM D-4541
FLEXURAL STRENGTH:
2,700 psi @ AQSTM C-580
HARDNESS:
Shore D = 80 typical
IMPACT RESISTANCE:
160 in. lbs @ ASTM D-4226
RESISTANT TO FUNGI GROWTH:
Passes rating of 1 @ ASTM G-21

VISCOSITY
When mixed, it forms a pourable slurry.
DOT CLASSIFICATIONS:
Not Regulated
HEAT RESISTANCE:
Can withstand up to 200F degrees

CURE SCHEDULE: (77°F)
pot life ……..........…….…..…..…………………….….….... 15 minutes
light foot traffic …………….……….………………………… 12 hours
heavy foot traffic ...………....….……………….….……....... 24 hours
full cure ………….... ...…………….….………….…….....… 7 days
APPLICATION TEMPERATURE:
45-85 degrees F with relative humidity below 85%.)
PRIMER:
None normally required.
TOPCOAT:
Optional.

CHEMICAL RESISTANCE TESTING:
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..

CHEMICAL EXPOSURE	PERFORMANCE
10% acetic acid	passed
30% nitric	passed
Sodium Hydroxide 50%	passed
Sulfuric Acid 30%	passed
Xylene	passed

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.