



ONYX SHIELD

HIGH GLOSS PROTECTIVE MICRO-GUARD FOR POLISHED CONCRETE

DESCRIPTION:

ONYX SHIELD is a unique blend of specially selected micro-polymer hybrids designed to form a durable high gloss protective micro-finish on and in polished concrete. ONYX SHIELD develops rapid hardness, scratch, scuff and water resistance, unlike concrete polish "guard" products currently on the market, which are water sensitive and require 7 to 14 days to develop properties. ONYX SHIELD has excellent flow and leveling properties and is easy to apply. ONYX SHIELD provides outstanding floor protection and appearance over extended periods of time, providing a savings in labor and materials. ONYX SHIELD exceeds the Coefficient of Friction safety standards of ASTM Designation D-2047. VOC content: Less than 1% by weight or less than 10 grams per liter.

APPLICATION:

Surfaces shall be dry, structurally sound, clean and free of dirt, grime and other foreign substances. Apply one to two thin, even coats of ONYX SHIELD using a pump-up sprayer and flat-pad microfiber applicator by "spray and spread" technique. For optimal results, allow 45 minutes of dry time between coats.

HIGH SPEED BURNISHING:

For optimal gloss development, safety, durability and surface protection ONYX SHIELD should be burnished with ONYX ReJuve Black diamond impregnated pad using an ONYX UHS Black Diamond or Blue Sky Propane Burnisher. ONYX SHIELD may be burnished after 45 minutes of dry time.

MAINTENANCE:

Use ONYX CLEAN heavy duty detergent at 1 -2 ozs. per gallon dilution for routine damp mopping. The floor may then be burnished as necessary for gloss enhancement or repair.

RECOAT:

The typical recoat cycle for ONYX SHIELD is every 3 to 6 months depending on the amount and type of traffic. Scrub the floor with an ONYX Panther Stripper/Scrubber or automatic scrubber and blue or green (medium scrub) pads using ONYX CLEAN Heavy Duty Cleaners at a dilution of 4 - 6 ounces per gallon of water. Rinse the floor with clean water and let dry before applying ONYX SHIELD.

SPECIFICATIONS:

COLOR:	White, stable emulsion
ODOR:	Mild, sweet
pH:	7.8 ± 0.2
HMIS RATING:	Health =1 Flammability = 0 Physical Hazard = 0
DENSITY	8.5 lbs/gal
SPECIFIC GRAVITY:	1.04
REFRACTOMETER SOLIDS:	17.5%
FLASH POINT:	None (C.O.C. Method)
VOC CONTENT:	Less than 1% by weight or less than 10 grams/liter
COVERAGE:	1500 -2000 sq. ft. per gallon
DRYING TIME:	45 minutes at 20°C. (68°F.), 50% relative humidity.
RECOAT TIME:	60 minutes at 20°C. (68°F.), 50% relative humidity.
GLOSS:	90 (A.S.T.M. Test D-523, 60°)
SAFETY (slip resistance):	Exceeds requirements (A.S.T.M. Test D-2047)
PACKAGE SIZES:	4 x 1 gallon jugs
	5 gallon Twin Pack (2 x 2.5 gal. bottles/box)

Onyx Environmental Solutions warrants this product to be of consistent quality. Onyx's warranty is limited to the replacement of product proven defective. The user assumes all other risks and liabilities resulting from the use of this product. If you have any questions, please call Onyx at (704) 827-9368.



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CHEMICAL RESISTANCE CHART

Reagents were tested under the following conditions:

Temperature:68° F., 30% RH

Dwell Time of Reagent.....1 hour, 4 hours and 24 hours under watch glass

Resistance Key

- 1 - Destroyed
- 2 - Severe Attack With Staining Or Dulling
- 3 - Minor Attack With Staining Or Dulling
- 4 - Intact With Minor Stain Or Dulling
- 5 - No Effect NT – Not Tested

Reagent	1 hour	4 hours	24 hours
Mustard	4	4	3
Ketchup	4	4	3
Olive Oil	5	5	5
Vinegar	4	4	4
Water	5	5	4*
Lemon Juice	5	5	5
Pickle Juice	5	5	5
Tea	5	5	5
Balsamic Vinegar	5	5	5
V8 Juice	5	5	5
Orange Juice	5	5	5
Coffee	5	5	5
Cola	5	5	5
Red Wine	5	5	5
Mayonnaise	5	5	5
Transmission Fluid	5	5	5
Motor Oil	5	5	5
Anti-Freeze	1	NT	NT
Brake Fluid	1	NT	NT

Reagent	1 hour	4 hours	24 hours
10% NH4OH	5	5	5
10% NaOH	2	2	1
10% HCl	5	5	5
10% KOH	5	3	2
Household Bleach	4	4	4
3% Hydrogen Peroxide	5	5	5
Isopropyl Alcohol	2	1	NT
Ethanol	1	NT	NT
Gasoline	3	3	2
Urine	5	5	5
* complete recovery			