



Decorative protection for porous and textured concrete



TECHNICAL DATA BULLETIN

OKON FINAL SHIELD™ CONCRETE AND MASONRY SEALER and FINISH

PRODUCT DESCRIPTION

OKON FINAL SHIELD is an interior/exterior, clear water-base coating for new or previously coated concrete surfaces: garage and basement floors; patios, driveways and walks; stained or stamped concrete. It may also be used to seal vertical, dense concrete surfaces: examples, medium or normal weight ground-face block, tilt-up panels or exposed aggregate cast concrete. One coat penetrates and seals new concrete against dusting and provides a thin, easy to maintain finish for previously sealed or stained concrete. Multiple coats protect the surface from moisture penetration, stains and deterioration caused by salt and many chemicals including most petroleum based solvents. The final gloss will be determined by the initial porosity of the surface and the number of the coats applied. Multiple coats will produce a semi-gloss finish. FINAL SHIELD is not a substitute for high-performance coatings designed for heavy industrial environments - examples, exposure to abrasive industrial conditions such as metal filings or machine oils, heavy carts or highly concentrated chemicals. See label limitations for other restrictions.

TECHNICAL DATA

- Chemistry Micro-acrylic emulsion
- pH 8.5 – 9.5
- Weight Solids 18 %
- Product type Water-base
- VOC 279 g/L
- Specific gravity 1.01
- Breathable YES – ASTM 1653
- Flash point N/A
- Viscosity < 100 cps
- Paintable Yes - ASTM D 3359

TINTING - FINAL SHIELD can be tinted with up to 2 ounces of universal colorant to produce a transparent colored coating to simulate the appearance of stained concrete. Because of its transparency tinted product must be spray applied to avoid lapping. Spray apply using a garden-type sprayer or airless sprayer with a small tip (.011-.013) set at low pressure. Mask adjacent surfaces to allow spray application to all edges. Do not cut-in edges with brush or roller. Do not back roll or back brush. Tinted finishes should not be exposed to hot car tires. A final clear coat is recommended over tinted product to increase durability. After it has dried, tinted product cannot be easily touched up without lapping and a complete second application may be necessary to correct problems. Additional coats will increase the opacity of the finish and significantly affect the final color. Complete removal may be required to repair or touch-up tinted finishes. Always test apply tinted product in an inconspicuous area to evaluate the appearance, proper application rate and technique.

TDB Finald Shield 051202.doc
Effective Dec. 05

SURFACE PREPARATION

FINAL SHIELD can be applied to new or previously coated, concrete that is dry, clean (free of waxes and oils), sound and non-glossy. FINAL SHIELD will bond to most types of coatings but a test area is recommended. New concrete must be cured for 28 days prior to coating.

Dry – Duct tape a two foot square of aluminum foil to the surface. Remove the foil after 24 hrs. A dark surface under the foil indicates moisture and the surface should not be coated. Vertical surfaces must be protected from water penetration behind the coating. Parapet walls and caps and all joints or cracks must be sealed with flexible sealant.

Clean: Check for the presence of “repellency” on the surface by sprinkling with water. If the surface turns dark as the water is absorbed it is free of wax or sealer and can be coated. If not, a test area should be applied to ensure adhesion or the surface should mechanically abraded with a floor sander or abrasive blasting. Vacuum and damp-mop horizontal surfaces and power wash vertical surfaces. Use a degreaser to remove oil or grease stains. Remove efflorescence with sulfamic acid. The surface must be thoroughly rinsed if applied over acid stain or if surface was acid etched. Improperly rinsed surfaces will compromise film formation and the sealer may turn white.

De-gloss: Glossy or slick surfaces like steel troweled concrete or gloss paint must be roughened by sanding or shot-blasting to produce a surface profile or feel of 100 grit sandpaper. Unsealed steel troweled concrete may be roughened by acid etching.

COVERAGE

The spread-rate of FINAL SHIELD will vary with the porosity and texture of the surface. Multiple coats of FINAL SHIELD can be applied to increase the durability and the final gloss.

Surface	1 st Coat (s.f./gal.)	Add'l Coats (s.f./gal.)
Rough (broom finish)	150	200
Smooth (float finish)	200	250
Very-smooth (trowel finish)	250	350
Sealed or previously painted	250	350

APPLICATION

FINAL SHIELD is ready-to-use, no thinning is required. It appears milky-white when applied but dries clear. There may be some slight ambering when applied over very light colors. It can be applied by brush, 1/8" nap roller, pad or sprayer. Stir, do not shake, before using. Apply an even, **thin**, wet coat maintaining a wet-edge to avoid lap marks. Allow each coat to dry thoroughly (clear & colorless) before applying additional applications. Work from a container and do not pour product onto surface to spread. Stop application at expansion joints, walls or breaks defined with masking tape. Do not allow product to puddle.

APPLICATION PARAMETERS	
Surface Temperature	50° F – 100° F
Relative Humidity	< 85%
Protect from rain	24 hours
Protect from dew	12 hours
DRY TIME	
Dry time to recoat	4 hours
Dry time for foot traffic	12 hours
Dry time for vehicular traffic	72 hours
Dry time based on 70°F & 50% RH. Lower temperatures and higher film build will increase dry time. Air circulation will aid drying. Higher surface temperatures will decrease penetration and increase initial gloss. Coatings cured at lower temperature exposed to early moisture may turn cloudy.	

Multiple coats will increase gloss. Glossy surfaces are slippery when wet. Add **OKON Safety-Grip** to increase slip-resistance in traffic areas.

CLEAN-UP: Clean hands and tools with soapy water. Drips and runs may be removed using a strong solvent within 24 hours after application. After that time sanding or stripping may be necessary.

LIMITATIONS: Do not use on flagstone, clay pavers or on exterior vertical brick, stone or lightweight block. **FINAL SHIELD** is not recommended for surfaces subject to below grade moisture or surfaces exposed to machine filings, steel wheeled carts, or sulfuric acid. Brake fluid and undiluted anti-freeze may soften **FINAL SHIELD**. The coating does not provide protection against hydrostatic water pressure, wind driven rain, or efflorescence.

FIRST AID/SAFETY INSTRUCTIONS:

EYES: Rinse thoroughly for 15 minutes. Get immediate medical attention. **INGESTION:** Call a physician immediately. **ONLY** induce vomiting at the instruction of a physician.

5-YEAR WATER REPELLENCY WARRANTY

Properly specified and applied applications of **FINAL SHIELD** may qualify for a 5-Year Warranty. Two coats are generally required to achieve this performance standard. Not all substrates can achieve this standard regardless of the number of coats applied. Request OKON Warranty procedure for details.

WARRANTY

The manufacturer will replace this product if, within 60 days of the date of purchase, it is shown to be defective when used as directed. THE MANUFACTURER'S LIABILITY UNDER ANY WARRANTY, WHETHER EXPRESSED OR IMPLIED, IS LIMITED IN DURATION TO 60 DAYS AND IS LIMITED SOLELY TO REPLACEMENT OF THE PRODUCT AND DOES NOT INCLUDE LABOR OR OTHER CONSEQUENTIAL DAMAGES. Some states do not allow limitation on how long an implied warranty lasts or do not allow the exclusion or limitation of incidental or consequential damages. So the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

STORAGE: KEEP FROM FREEZING

WARNING!

KEEP OUT OF REACH OF CHILDREN

PACKAGING CODES

Product No.	Package	Wtg.	UPC
OK-981	Gallon	9 lbs	7 49505 98301 1
OK-983	Five	47 lbs	7 49505 98305 9
OK-985	Drum	495 lbs	



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