



SKID SAFE™ Water Based Primer/Sealer/Finish

DATA SHEET

DESCRIPTION AND USE:

SKID SAFE is an aqueous emulsion of modified thermoplastic resins and their esters. It has been engineered to provide maximum slip resistance, durability and ease of use. SKID SAFE is proven, time tested sealer/finish that can make almost any surface no slip. Its slip resistance properties are truly amazing: it is actually even more slip resistant when wet than dry. SKID SAFE is applied in multiple thin layers which assures prevention of cracking, chipping and peeling. It is ready to use and it was build with consumer safety in mind.

Once SKID SAFE has been applied, multiple freeze/thaw cycles have no ill affect. It "breathes" allowing moisture vapors to escape while locking out water and providing excellent repellency.

MAIN FEATURES – BENEFITS:

- Does not change the appearance
- Extremely high slip resistance, wet or dry
- When used with ND AGGREGATE™ creates no slip/anti slip finish with real traction
- More slip resistant wet than dry
- High gloss, or Satin/Matte version
- Water based, very low VOC: only 16.9 g/l per California VOC regulations
- Easy application – fast drying (30 – 60 minutes per coat)
- Exceptional durability, does not yellow, peel, crack, flake, nor chip
- Waterproofs, resists staining from oils, gasoline, salt water, drinks, alcohol, uric acid
- Prevents grout line discoloration
- Does not require stripping, buffable
- New applications blend into old without seams
- Can be applied over any other coating/paint in a sound condition
- Warranted for 5 years with proper application and maintenance

RECOMMENDED USES – WHERE TO APPLY:

SKID SAFE is recommended to be applied over areas where there is a risk from slip & fall accidents: lobbies, hallways, kitchens, dining rooms, walkways, locker rooms, restrooms, decks, patios, sidewalks, driveways, garages, showrooms, around swimming pools, etc.

The following materials can be sealed with SKID SAFE:

- ceramic tiles, porcelain, brick, limestone (requires also SUPER BOND & CLEAN™)
- all types of unsealed concrete (requires also CONCRETE BOND & CLEAN™)
- vinyl flooring, VCT tiles, linoleum, etc
- marble, terrazzo
- wood, metals,
- all painted and previously sealed floors (that are in a sound condition)

TECHNICAL DATA:

Physical State: Liquid
Appearance: Milky White Liquid
Active Material (Solid) Content: 15%
Specific Gravity: 1.04
Weight per Gallon: 8.6 lbs.
Flash Point: Non-Combustible
Freezing Point: 0 °C (32 °F) (Initial)
Boiling Point: 100 °C (212 °F) (Estimate)
Carry Agent: Water
Shelf Life: 5 years (unopened)
Repellency Rating: (ASTM C 67): Excellent
Pencil Hardness: (ASTM D 3363): 2H
Tukon Hardness: (ASTM D 1474): 14
Flexibility: (ASTM D 1737): 1/8" mandrels: 3
Adhesion: (ASTM D 3359): Fair-Good
Ionic Charge: Anionic
pH: 7.5 – 7.8 (@ 25 °C)
Thermal Shock: (ASTM D 1211): 3 cycles
Slip Resistance of Regular Gloss Version: ASTM D2047: 0.778 Dry, 0.896 Wet
Slip Resistance of Satin/Matte Version: ASTM D2047: 0.730 Dry, 0.785 Wet
Heat Resistance: No affect up to 600° F
Gloss: Regular version: 90 on Gardner Scale
Gloss: Satin/Matte version: 60-70 on Gardner Scale
VOC: 19.6 g/l (per California VOC regulations)
Exterior/Interior Durability: Excellent
Non-Combustible
Odor: Mild acrylic odor
Dry Time: 20 – 60 minutes
Cure Time: 96 hours
Storage: Store in above freezing temperatures
Unopened containers can be stored up to 5 years

PREPARATION FOR APPLICATION:

Conditions for application: Temperature: 60°F — 100°F, Relative humidity: 85% maximum Please take note that higher temperatures will speed drying and that higher humidity will slow drying. For best performance, if possible, maintain temperatures between 70° F - 100° F with relative humidity below 65%. During the early stages of drying, SKID SAFE is sensitive to rain, dew, high humidity, and moisture condensation. If possible, plan the application to avoid these influences during the first 24-48 hours of curing. Applying SKID SAFE in high humidity will extend both drying and curing times considerably.

Safety and precautions: Thoroughly review product label, directions, and Safety Data Sheet for safety and cautions prior to using this product. Prepare all tools and protective gear for the job. Test our products on a small area for their application on your particular floors to determine the exact spread rates and confirm the suitability for the project.

Preparation: Fix and fill all cracks in the substrate, then prepare the floor for SKID SAFE according to the type of material below. Allow porous materials such as concrete, limestone, marble, grout, etc., to thoroughly dry out before applying SKID SAFE for about 24 hours. The floor must be completely clean and dry before applying SKID SAFE.

Unsealed concrete: requires pre-treatment with our CONCRETE BOND & CLEAN™, which beautifully cleans the concrete and insures proper bond between concrete and SKID SAFE. After thorough rinsing with clean water, allow the floor to completely dry. New concrete must be allowed to cure.

Unsealed ceramic and porcelain tiles, brick, limestone, polished marble and granite: requires pre-treatment with our SUPER BOND & CLEAN™. This insures proper adhesion of SKID SAFE to the floor. After thorough rinsing with clean water, allow the floor to completely dry.

All other surfaces (vinyl, VCT, linoleum, terrazzo, hardwood, laminates, painted floors, all sealed/waxed floors (urethanes, polyurethanes, epoxies in a sound condition), metals, etc.): clean the floor with a neutral cleaner (pH 7), rinse very well, and allow to completely dry. NOTE: SKID SAFE will adhere to previously applied seals/waxes, but it will function only as long as the sealer/wax underneath lasts. Our 5 Year warranty cannot apply in this circumstances.

Floors with a sealer/wax that is in sound condition:

Strip these sealers/waxes, rinse thoroughly, neutralize the floor with a Neutralizer and allow to dry thoroughly. NOTE: Failure to properly remove all stripper residues and neutralize the floor prior to sealing with our SKID SAFE likely to cause SKID SAFE to look and perform in a substandard manner.

Unless being used outside, we suggest the use of a good blower or fan to speed the drying time. Masonry, concrete, wood, stones must be allowed to dry out for 24 hours to insure that all moisture has evaporated from below the surface and throughout the substrate material.

APPLICATION OF SKID SAFE:

Apply the total of 4 coats if using SKID SAFE without ND AGGREGATE™, or the total of 6 coats if using SKID SAFE with ND AGGREGATE™.

Use SKID SAFE Regular Gloss Version straight from the bottle. Do not dilute with water. Satin/Matte version must be thoroughly mixed before use, because the matting agent settles in the container. Pour 1/3 of SKID SAFE out of the bottle, then thoroughly shake the bottle in order to mix the ingredients very well. Then pour out all of SKID SAFE from the bottle and mix thoroughly with the SKID SAFE that you poured out earlier.

Application on porous/rough floors you can use an airless sprayer with a tip size of 0.015 or 0.013 at 300-500 PSI. Low-pressure hand pump sprayer at 35+ PSI may be also used. Apply SKID SAFE so that you can clearly see the wetness of our product as it is being applied. When SKID SAFE is dry to the touch apply the next coat. If you are going to apply ND AGGREGATE™ you can also use a paint roller (short nap, or sponge), but move it very slowly so you do not create foam and air bubbles.

Application on smooth, non-porous floors use either a new sponge mop (do not use sponges that are sold moist), wax applicator, or a brand new pre-rinsed cotton mop. All mops/tools must be pre-washed and dried before use. It is very important to apply very thin coats on all non porous surfaces. Do not flood/over-apply the floor with SKID SAFE, seeing wetness is all that necessary. Applying the coats too thick will cause problems with extended cure time, scuffing and others. If you are going to use also ND AGGREGATE™ do not use mops, use a paint roller (short nap, or sponge), but move it very slowly so you do not create foam and air bubbles.

Curing: After the final coat is dry, allow the entire application to cure. This process takes about 96 hours under conditions of moderate to low humidity. On areas where only light foot traffic will pass, secure this area for at least 8 hours. Rolls of cardboard are very useful for protecting SKID SAFE until the full cure of 96 hours. That means that the non-water elements in the product will get hard. After 96 hours, remove the cardboard and allow normal use. Should SKID SAFE become wet before 96 hours, it may turn temporarily white. Once dry, in matter of days it will turn back to being clear.

IMPORTANT:

Do not drag heavy objects such as furniture over sealed floor.

Do not put rubber mats, or similar unbreathable materials on the floor until SKID SAFE is fully cured.

Do not apply SKID SAFE outside if it is likely to rain within 2 days.

Do not clean SKID SAFE until it has fully cured.

Never apply SKID SAFE to any area, that will be either under water, or will be constantly wet.

NOTES ON USING ND AGGREGATE™:

We highly recommend that you practice and develop your technique to properly broadcast the aggregate onto SKID SAFE by test applying it on a spare tiles, or on a plastic sheet (without SKID SAFE) before starting the application.

Apply a first coat of SKID SAFE to a small area of the floor. While SKID SAFE is still wet, immediately sprinkle ND AGGREGATE™ with a sieve, strainer, salt shaker, or by hand. If applying ND AGGREGATE™ by hand, hold a small amount of it in your hand and throw it straight up slightly. The aggregate will fall evenly over this wet SKID SAFE area. Then, apply SKID SAFE on another small area, and repeat the above process until the entire floor has been sealed this way.

When the first coat is absolutely dry you can walk on it with socks. Use a paint roller (sponge, or 1/4" nap), or a low pressure sprayer (about 35-65 PSI) to apply additional 5 coats of SKID SAFE. Do not use mops, as they will disturb the aggregate. When using the paint roller, move it very slowly so you do not create foam. Each successive coat must be absolutely dry to the touch before applying the next coat. Good air circulation and warm air will speed up the drying process. After the entire 6 coat application of SKID SAFE is completed, 96 hours is needed for full cure. If you cannot close the floor to foot traffic for the next 96 hours, cover the following day the floor with a cardboard to enable foot traffic. Remove the cardboard after 4 days.

PRODUCT USE ESTIMATES:

1. SKID SAFE (when used alone, without ND AGGREGATE™):

NON POROUS FLOOR MATERIAL such as porcelain, ceramic tiles, metal, currently sealed flooring or fiberglass: Apply 4 separate coats according to our directions. The approximate coverage for all 4 applied coats is about 400 sq.ft. per gallon. Divide your floor sq.ft. area by 400 to show the amount of SKID SAFE Water Based Sealer/Finish that you need.

POROUS FLOOR MATERIAL such as vinyl, quarry tile, brick, wood, concrete, masonry: Apply 4 separate coats according to our directions. The approximate coverage for all 4 applied coats is about 200 sq.ft. per gallon. Divide your floor sq.ft. area by 200 to show the amount of gallons of SKID SAFE that you need.

2. SKID SAFE and ND AGGREGATE™ (when used together):

NON POROUS FLOOR MATERIAL such as porcelain, ceramic tiles, metal, currently sealed flooring or fiberglass: Apply 6 separate coats according to our directions. The approximate coverage for all 6 applied coats is about 300 sq.ft. per gallon. Divide your floor sq.ft. area by 300 to show the amount of gallons of SKID SAFE that you need. Divide your floor sq.ft. area by 160 to show the amount of lbs. of ND AGGREGATE™ needed.

POROUS FLOOR MATERIAL such as concrete, quarry tile, brick, wood, masonry: Apply 6 separate coats according to our directions. The approximate coverage for all 6 applied coats is about 170 sq.ft. per gallon. Divide your floor sq.ft. area by 170 to show the amount of gallons of SKID SAFE Water Based Sealer/Finish that you need. Divide your floor sq.ft. area by 160 to show the amount of lbs. of ND AGGREGATE™ needed.

3. SUPER BOND & CLEAN™: Use about 1 Quart of SUPER BOND & CLEAN™ per 100 sq.ft., or 1 Gallon per 400 sq.ft.

4. CONCRETE BOND & CLEAN™: The spread rate will range from 37 - 62 sq.ft. per Quart, or 150 sq.ft. - 250 sq.ft. per gallon

MAINTENANCE DIRECTIONS:

1. Use a light dilution of neutral cleaner with clean water. SKID SAFE may be cleaned daily. You can use a mop, light pressure washer, or a floor machine. SKID SAFE with ND AGGREGATE™ cannot be mopped, because the aggregate is rough. Use floor scrubbing machine with softest brush, or deck broom with water hose, or light power wash. In hospitals, nursing homes, or in restrooms, use only pH neutral disinfectants.
2. Should any area of a floor become dull, or worn over time, clean it and reapply more SKID SAFE over this area. SKID SAFE will blend into the rest of the floor. Apply a new coat of SKID SAFE over the floor to restore the same gloss on the entire floor. This will assure that the application will last for many years without necessity of stripping it. The warranty does not cover normal wear & tear, so it is very important that you apply more SKID SAFE as necessary and never let traffic wear it down. This is especially important when using ND AGGREGATE™, because there have to be always many layers of SKID SAFE over it, to hold it in place.
3. SKID SAFE (when used without ND AGGREGATE™) can be burnished to restore much of the gloss with a low speed machine (175-300 RPM) with a red pad and a 4-1 dilution of SKID SAFE with water spray misted over the floor area before burnishing. This will also remove scuff marks. Then, use a white pad with the same low speed floor machine to polish the floor, which will restore gloss. If necessary, apply a fresh coat of SKID SAFE over a part or over the entire floor for matching gloss. **Never use any buffer on floors with ND AGGREGATE™!**
4. SKID SAFE can be stripped with high pH ammoniated stripper (available at janitorial supply stores). Small, selected areas could be sanded with sandpaper.

FIVE-YEAR WARRANTY:

Your purchase of any of our primers/sealers/finishes/coatings is warranted to perform according to our specifications when applied and maintained according to our directions for 5 years. This warranty does not cover: application over previously sealed/waxed floors, misuse, misapplication, poor maintenance, normal wear & tear, and high gloss. Your rights under this warranty are not transferable. Only the original buyer may file a claim with us under this warranty. If we determine the validity of a claim under this warranty, we will refund or replace the product(s) at your option less the time that the product(s) performed from the 5-year period. Example: If the product performed for 2.5 years, you could receive a refund of half the product cost, or replace the product at a credit of half of the List Price towards replacement.

Important Note: This warranty must be activated by registration within 7 days of completed application of SKID SAFE. Please fill up, and email, or mail to us the enclosed **Warranty Registration Form** with required attachments. Failure to register the SKID SAFE application within required time period voids the FIVE-YEAR WARRANTY.

LIMITATION OF LIABILITY:

You understand and agree that the manufacturer shall not be liable for any direct, indirect, incidental, consequential or exemplary damages, including but not limited to, damages for loss of profits, data or other intangible losses (even if manufacturer has been advised of the possibility of such damages), resulting from the use or the inability to use the product(s) and or service(s) or any misuse of the product(s) and or service(s) in a manner not in accordance with their intended use. The user assumes full responsibility and risk in testing this product for the particular application and for determination of proper disposal method of chemical residues and cleaning implements according to State and Federal regulations. In no event shall New Dimensions Solutions, LLC be liable for consequential or incidental damages exceeding the cost of this product.

12//2016

NEW DIMENSIONS SOLUTIONS, LLC

3960 Howard Hughes Parkway, Suite 500, Las Vegas, NV 89169
(800) 731-2231, FAX: (800) 361-1558, sales@ndclean.com, www.ndclean.com

SKID SAFE Warranty Registration Form

Date of purchase:

Name and address of the buyer:

Exact address and location where the products were applied:

Date of application:

Person who applied the products:

Supervisor:

Brief description of the job area (type of substrate, condition of it, size, special circumstances, observations):

Describe in detail the preparation and application process:

What was the temperature and humidity during and after the application:

Notes and observations:

How are you satisfied with the result of the application?

Do you have a neutral cleaner for maintenance cleaning?

Please enclose pictures of the floor area:

a/ before the application of SKID SAFE

b/ during the application

c/ after the application

