



NORKLAD WB

PREMIUM WATERBORNE EPOXY

ORIGINAL COLOR CHIPS CO - 26200 GROESBECK HWY - WARREN, MI



Norklad WB is a two component water based epoxy coating. Low odor, no flammability and excellent adhesion combined with a long lasting finish is why waterborne epoxy dominates the do-it-yourself market. This high gloss epoxy color coat formulated for excellent hide as well as abrasion resistance. Norklad WB is compatible with high performance topcoats; urethanes, epoxies, or 100% solids.

This product has Low VOC and suitable for a variety of applications such as wood, masonry or previous coated surfaces. Steel and vinyl tile can also be coated when primed correctly. This product can withstand exposure to many common solvents and chemicals.

SOLIDS BY WEIGHT:

Mixed = 53% (+, - 2%)

SOLIDS BY VOLUME:

Mixed = 41% (+, - 2%)

VOLATILE ORGANIC CONTENT:

Colors = 1.01 pounds per gallon (mixed)

VOC Compliant in all 50 states.

AVAILABLE COLORS:

Off white, White, Light Gray, Slate, Tile Red, Beige, Taupe, Charcoal, Light Blue, Wheat, Royal Blue, Green, Black

RECOMMENDED FILM THICKNESS:

5 -7 mils per coat wet thickness (yields 2-3 mils dry)

COVERAGE PER GALLON:

229 to 320 square feet @ 5-7 mils wet thickness

PACKAGING INFORMATION

1 gallon, 2 gallon and 5 gallon kits (volume approx.)

MIX RATIO:

8.55# part A (.80 gallons, approximate) to 1.75# part B (.20 gallons, approximate)

SHELF LIFE:

1 year in unopened containers

FINISH CHARACTERISTICS:

Satin gloss (40-80 at 60 degrees @ Erichsen glossmeter)

ABRASION RESISTANCE:

Taber adrasor CS-17 calibre wheel with 1000 gram total load and 500 cycles = 54 mg loss

IMPACT RESISTANCE:

Gardner Impact, direct = 50 in.lb. (passed)

FLEXIBILITY:

No cracks on a 1/8" mandrel

ADHESION:

425 psi @ elcometer (concrete failure, no delamination)

VISCOSITY:

Mixed = 900-1200 cps (colors); (typical)

DOT CLASSIFICATIONS:

Not regulated

ADVANTAGES:

- Chemical, Stain, and Abrasion resistant
- Low odor and a high flash point
- Use over alkyd, latex or epoxy coatings
- Deep penetrating formula
- Easily washed and cleaned
- Low VOC

CURE SCHEDULE: (70F)

pot life – 1 gallon volume	1.0 – 1.5 hours
tack free (dry to touch).....	5-8 hours
recoat or topcoat.....	7-10 hours
light foot traffic.....	16-24 hours
full cure (heavy traffic).....	2-7 days

APPLICATION TEMPERATURE:

55-90 degrees F with relative humidity below 75%

CHEMICAL RESISTANCE:

REAGENT	RATING
acetic acid 5%	B
xylene	B
mek	A
gasoline	B
10% sodium hydroxide	C
50% sodium hydroxide	B
10% sulfuric	B
10% hrdochloric acid	B
20% nitric acid	A
ethylene glycol	C

Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion. NOTE: extensive chemical resistance information is available through your sales representative.

PRIMER:

None required, but recommended for better adhesion and uniform sheen

TOPCOAT:

Optional – Norklad WB is compatible with high performance topcoats; urethanes (HPU 747), epoxies (WBC-510), or 100% solids (Norklad 100).

LIMITATIONS:

- * Color or gloss may be affected by humidity, low temperatures, chemical exposure or sodium vapor lighting.
- * Product will yellow in the presence of UV light
- * For best results use a 1/4" or 3/8" nap roller.
- * Slab on grade requires moisture barrier
- * Substrate temperature must be 5°F above dew point.
- * All new concrete must be cured for at least 30 days
- * Improper mixing or too thick of an application may result in product failure
- * Light or bright colors (white, light gray, etc.) may require multiple coats achieve a satisfactory hide, depending on the porosity of the substrate.



NORKLAD WB

APPLICATION INSTRUCTIONS

Original Color Chips – 26200 Groesbeck Hwy Warren, MI 48089 USA – sales@originalcolorchips.com – 1-800-227-8479

SURFACES: New Surfaces: Concrete, Plaster and Masonry - Cure at least 30 days before painting. pH must be 10.0 or lower. Remove laitance and roughen unusually slick poured or precast concrete by acid etching, sandsweeping, grinding, or shot-blasting the floor. If substrate has been washed allow to dry overnight. Remove loose aggregate. Fill voids and cracks in areas of concrete with epoxy filler or patching compound. In moisture prone areas, prime with this product or substitute to achieve best penetration. **Drywall** - Prime with this product or suitable waterborne primer. **Wood** - Prime with this product or prime with suitable waterborne epoxy primer. **Steel** - Prime with waterborne epoxy primer or preprime epoxy. **Galvanized Metal and Aluminum** - Prime with waterborne epoxy primer. **Glazed Brick, Ceramic Tile and Fiberglass** - Scuff sand and prime with waterborne epoxy primer. **Previously Painted Surfaces:** The waterborne components of this product generally allow use over most old coatings. Old coatings should be tested for lifting. If they lift, remove them by chemical or mechanical means. Wash to remove contaminants. Rinse thoroughly and allow to dry. Dull glossy areas by light sanding. Remove sanding dust. Remove loose paint. Mix and begin painting.

PRODUCT STORAGE: Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 60 and 90 degree F. Keep from freezing.

SURFACE PREPARATION: Surface preparation will vary according to the type of complete system to be applied. For a one or two coat thin build system (3-10 mils dry) we recommend either mechanical scarification or acid etching until a suitable profile is achieved. All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. A test should be made to determine that the concrete has an appropriate vapor barrier. This can be done by placing a 4'X4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate does not show signs of eventual hydrostatic pressure problems that may later cause disbanding. However, this product can be applied to a damp floor as long as there are not standing puddles.

PRODUCT MIXING: This product comes pre-packaged by weight. Kits should be mixed in their entirety. If partial kits are to be used, refer to the front of this technical data for proper weight mix ratios. After the two parts are combined, mixes well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and streak free. This product is an emulsion product and should be mixed well before using.

PRODUCT APPLICATION: The mixed material can be applied by brush or roller. Maintain temperatures within the recommended ranges during the application and curing process. Apply material with relative humidity within the parameters shown on the technical data. When the end of the pot life has been reached, you will find that the material becomes hard to apply and will actually tend to roll back up onto the roller. Do not try to continue application when the coating has reached this step. Applications made at different times with differing environmental conditions, may show slight variations in gloss.

RECOAT OR TOPCOATING: If you opt to recoat or topcoat this product, you must first be sure that all of the solvents and water have evaporated from the coating during the curing process. Within 7-10 hours it should be ready for your subsequent coat. However, it is best to test the coating before recoating or topcoating. This can be done by pressing on the coating with your thumb to verify that no fingerprint impression is left. If no impression is created, then the recoat or topcoat can be started. Always remember that colder temperatures will require more cure time for the product before recoating or topcoating can commence. Before recoating or topcoating, check the coating to insure no epoxy blushes were developed (a whitish, greasy film or deglossing). If a blush is present, it must be removed prior to topcoating or recoating. A standard type detergent cleaner can be used to remove any blush. Many epoxy overlays and coatings as well as urethanes are compatible for use as a topcoat for this product as well as multiple coats of this product.

CLEANUP: Use PM solvent or soap and water **FLOOR MAINTENANCE:** Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Listed physical properties are typical and should not be construed as specifications. **NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT.** We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may CAUSE SERIOUS PHYSICAL INJURY. **BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.**