

CONVOY



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Technical Bulletin 206 Super Convoy Non-Slip Coating

This "heavy duty" SUPER CONVOY will provide excellent results even when exposed to the severest acid, alkali, and chemical conditions. It also may be applied to damp surfaces with good results. It is also highly resistant to moisture, steam, and even continuous submersion.

Besides industrial applications, SUPER CONVOY is unexcelled for shower room floors, locker room floors, pool coping, wading pool, pool steps, and on pool decks. The steam and hot water in shower rooms will have no effect on this epoxy product. To patch a worn spot it is only necessary to "touch up" with a brush dipped in CONVOY.

GENERAL INFORMATION

This SUPER (epoxy) CONVOY is a two-package system. The smaller can contains the catalyst. All CONVOY containers are "short filled" to leave space to add the catalyst. The catalyst is added in the following ratio: To each 3/4-gallon of CONVOY base, add one quart of catalyst. Stir thoroughly after adding catalyst and wait according to induction schedule on label for the proper chemical reaction to complete its cycle before application begins. The "pot life" of this mixture is 4 hours; so do not mix more than can be used in this period. SUPER CONVOY can be applied by brush or roller. However, the easiest method of application is to pour it on the surface and "roll it out" with a roller equipped with our special CONVOY cover.

The surface must be clean and free from grease or oil. It may be damp but no visible moisture should be evident. If there is water on the surface, it should be dried off before application begins. SUPER (epoxy) CONVOY will "age" and get harder for 7 days.

After the catalyst is mixed in the base, wait according to induction schedule, for the proper chemical reaction to take place. The CONVOY should be poured onto the surface, about one pint each time you pour. It should be spread out with a brush or roller.

Flow it out in a uniform preferably with a roller equipped with a special cover which we supply on request. Roll or brush it on the surface liberally at the rate of 90 to 110 sq. ft. per gallon. For necessary thinning (up to 1/2 pint per gallon) and cleaning of application equipment, use #1109 Solvent. Only an epoxy solvent will work with SUPER CONVOY. It should be applied on a surface free from oil, grease, wax, dirt, or any other residue. It has perfect adhesion to clean surfaces.

While SUPER CONVOY may be applied to a damp surface, it should never be applied over visible surface water. In this case, dry the surface with rags and then apply the SUPER CONVOY.

Easiest way to remove dirt, oil, wax, etc. from painted surface (or bare concrete) is with a solution of 8 oz. of #910 Washing Compound (Tri-sodium Phosphate) to each gallon of warm water. Each gallon of solution should take care of about 200 sq. ft. of surface. Be sure ALL oil is removed.

There is never an adhesion problem when applying SUPER CONVOY over compatible other paints which are well bonded to the substrate. If the old paint is peeling or scaling, then all loose or poorly bonded paint must be removed. Remove old loose paint (slightly peeling) with an electric buffer equipped with a coarse sanding disc. Where widespread peeling exists, a complete paint removal job is recommended. On concrete, this can be done by sandblasting. On wood, use paint remover or an electric sander. On metal, use paint remover, an electric buffer, or sandblast the surface. Where paint remover or a caustic solution is used, the surface must be scrubbed with #910 Washing Compound (Tri-sodium Phosphate) (described earlier). All surfaces, where partial or complete paint removal is done, should be washed to remove cleaning contaminants. If the existing coating is unknown please send a paint chip to Kelley Technical Coatings for analysis.

While epoxies do have excellent adhesion to all clean surfaces in the case of smooth, and "steel trowel led" concrete, the pores of the concrete were "closed" at the time it was poured due to the usual trowelling. Acid etching with muriatic acid will "open" millions of tiny pores and permit penetration of the SUPER CONVOY which will result in greatly improved adhesion. For acid etching concrete, please request our Bulletin #141 Acid Etching Concrete Surfaces, unless you have knowledge and experience in acid etching.

When SUPER CONVOY is to be applied over paint, which is "glossy," this gloss should be removed with sandpaper, steel wood, or by wiping down with one of the paint surface preparations, which will flatten the gloss. SUPER CONVOY must not be applied when either the surface or the air temperature is under 500F.

In hot dry weather, it may be opened to traffic the next day, but the longer the period of "curing," the better. It actually gets harder for 7 days after application. When applying SUPER CONVOY, the application equipment should be cleaned immediately after use. Once it "cures" on the equipment, it is almost impossible to remove the paint.

APPLICATION ON CONCRETE

Acid etching is necessary if the very best results are to be expected. Again, we point out that if the applicator is not familiar with etching procedures and safety, our Bulletin #141 Acid Etching and Surface Cleaning should be read. Before and after etching, the #910 Washing Compound or tri-sodium phosphate solution scrubbing should be done. After hosing off with clean water and after the surface water was dried, the SUPER CONVOY may be applied.



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APPLICATION ON WOOD

If the surface is painted with a compatible coating and in good condition, apply one coat of SUPER CONVOY. If the surface is peeling, all loose paint, all grit, sand, and other contaminants should be removed by washing with tri-sodium phosphate; then, the entire surface should receive one coat of #310 CONVOY WOOD PRIMER. Allow 8 hours drying time and apply one coat of SUPER CONVOY. All new unpainted wood **MUST BE PRIMED** and sealed with #310 CONVOY WOOD PRIMER.

APPLICATION ON STEEL

The surface should be clean and free from rust, oil, and grease. Remove all loose paint and rust with an electric buffer equipped with a coarse garnet-sanding disc. Remove oil and grease by washing with solvent. When solvent cleaning is done, use Naphthol Spirits and apply liberally with a mop or rags.

Oil and grease may also be removed with the #910 Washing Compound solution providing it rinsed with clean water and immediately dried off with rags. Rust may also be removed with our #970 Rust Remover.

When the metal is polished or unusually slick, we suggest that these slick surfaces be marred or scratched with coarse steel abrasive paper.

APPLICATION ON ALUMINUM SURFACES

Application on aluminum surfaces is similar to application on steel. The surface should be "scarified" with medium grit sandpaper in order to create a good mechanical bond. Degreasing must be done. See the information on degreasing on the previous page under "Application on Steel." One coat of #215 BONDERITE Primer is then followed by one coat of SUPER CONVOY. Allow 6 hours drying time for the primer.

PHYSICAL DATA

Set to touch: 2 hours (75 F)

Drying time: 24 hours (75 F and over) before permitting traffic
2 days below 75 F

Colors: #360 Tile Red #369 Black
#363 Yellow #370 Dark Gray
#365 Bikini Blue #371 Light Gray
#366 Blue Ice #375 Blue Mist
#368 White

Viscosity: 90 - 95 KU

Solvent: #1109 for SUPER CONVOY and #215 BONDERITE PRIMER, #219 Steel Primer, and #220 Galvanized Steel Primer

Coverage: 100 Sq.Ft. per Gallon @ 15 Mills Wet

Primer: For wood - #310 SUPER CONVOY WOOD PRIMER
For aluminum - #215 BONDERITE METAL PRIMER
For steel - #219 EPOXY METAL PRIMER & #220 GALVANIZED STEEL PRIMER

Packaging: 6 qts. or 4 gal. to the case

CAUTION! - COMBUSTIBLE!

Keep away from heat and open flame. Avoid prolonged contact with skin and breathing of vapor. Close container after each use. Areas of body or clothing on contact with uncured resin and/or catalyst should be thoroughly cleaned with solvent and washed with soap and water immediately. Use only where there is adequate ventilation. **KEEP OUT OF THE REACH OF CHILDREN.**

Information herein given has been accumulated through many years of experience and verified by our technical personnel and is based upon tests believed to be reliable, but **RESULTS ARE NOT GUARANTEED.**

NOTE: KELLEY TECHNICAL COATINGS, INC. makes no implied warranty of merchantability, no implied warranty of fitness for a particular purpose and no other warranty, either express or implied, concerning its products.
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