

StanChem

StanChem Inc.

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69X1732 INCRALAC

DESCRIPTION

StanChem 69X1732 INCRALAC represents a modern breakthrough in clear, air-dry coatings for copper and copper-base alloys. In an extensive research program initiated by the *International Copper Research Association (INCRA)*, INCRALAC was found to provide the best protection for copper and brass of all air-dry coatings tested.

Formulated from a blend of acrylic resins, INCRALAC contains a U.V. absorber and a chelating agent to inhibit under-film corrosion.

ADVANTAGES

AIR-DRY

RECOMMENDED BY INCRA

CORROSION RESISTANT

EASY TO APPLY

FAST CURING: Air dry to handle in 15 min.

WEATHER RESISTANT

PRODUCT DATA

TYPE: Thermoplastic Acrylic

SUBSTRATES: Copper or copper-based alloys.

SOLIDS: 15% ± 1%

WEIGHT/GAL: 7.5 lbs ± 0.1

RECOMMENDED

FILM THICKNESS: For maximum corrosion resistance: 1.0-1.5 mils dry, applied in multiple coats of 0.3-0.5 mils per coat.

VISCOSITY: 30-36 sec, Z, @77°F

COLOR: Clear

GLOSS: Very high. If desired a flattening agent (71X0202) can be added to reduce gloss. Do not use over 25% flattener.

COVERAGE: 150 sq. ft./gal. @ 1.0 mils, but varies depending on over-spray, etc.

HARDNESS: Pencil = 2H

RECOATING: After removal of accumulated surface dust/grime, reapply.

APPLICATION: Spray or dip

FLASH POINT: 40°- 50°F (tag open cup)

REDUCTION: none. If desired can be reduced up to 2:1 with StanChem 79X0010

SHELF LIFE: stable up to two years from date of manufacture if kept in tightly closed containers between 40° - 90°F.

CURING: Air dry to handle within 15 minutes, but needs 2 - 3 days minimum before exposure (7 days recommended).

SAFETY

StanChem 69X1732 contains flammable solvents. Never apply material near an open flame or excessive heat. Proper ventilation should be provided, especially in enclosed areas. Avoid prolonged breathing of vapor, and repeated contact with skin. For safety information on StanChem 69X1732, please request the current Material Safety Data Sheet.

69X1732 INCRALAC SURFACE PREPARATION/REMOVAL

The performance of any coating or treatment applied to copper-base alloys is dependent upon the care with which the metal surface has been prepared prior to the application of the coating. The following general conditions of the surface to be protected must be considered:

The surface of new metal must be thoroughly buffed and made chemically clean. The metal should be treated with a copper cleaner. After removal of the cleaner, it should be possible to wipe the metal with a cloth which has been dampened with a solvent compatible with that cleaner. The surface will then be sufficiently clean for the application of the coating.

The surface of old metal that is to be refinished must be completely free of all minute traces of old coating, and all surface stains removed. **IF THE OLD COATING IS INCRALAC, NO STRIPPING IS REQUIRED. AFTER REMOVAL OF ACCUMULATED DUST AND GRIME, SIMPLY APPLY A NEW COATING OF INCRALAC.** Where other coatings have been used, a lacquer stripper is generally best. The thickened material is spread on the surface to be stripped and allowed to soak for a few minutes. A scouring pad may be used to apply the lacquer remover. (Steel wool should not be used on copper-base alloys.) Rubbing should be with the “grain” of the metal, not across the metal’s rolling direction.

The stripper should then be allowed to stand on the old coating for a few minutes, then removed by wiping with a clean cloth, or flushed with appropriate solvents. In many instances, multiple applications of the stripper are necessary to completely remove all traces of the coating from the metal. After removal of the stripper, a cleaner is applied to the surface of the metal using a cloth wetted with the cleaning compound.

To avoid staining, the cleaner should be applied to a limited area of the surface and quickly wiped off with a clean cloth or scouring pad. Should staining occur, it can be removed by additional applications of cleaner. In cases where stains persist, it may be necessary to use the more abrasive scouring pads to mechanically abrade badly corroded areas.

If the metal has been severely stained, it can frequently be restored to its initial appearance by the application of a solution containing about 5% oxalic acid dissolved in a mixture of 3 parts water and 1 part butyl cellosolve. When using oxalic acid solutions as stain removers, care must be taken to remove all traces of the acid by repeated washing with clean water or water and butyl cellosolve, and wiping dry with a clean cloth.

HIGH HUMIDITY CONDITIONS WILL ACCELERATE CORROSION OF THE COPPER SUBSTRATE. INCRALAC SHOULD BE APPLIED WITHIN ONE HOUR OF CLEANING THE METAL AND TO A DRY SURFACE, OR CLOUDING WILL OCCUR.

COMMON SOLVENTS for removal of Inctalac are (best to worst): acetone (or any ketone), xylene, toluene, 3M® “Safest Stripper”, Klean® “Strip-X”, Klean® “Toluene/Xylene Substitute”, methanol, and TCE. Not affected by turpentine or mineral spirits (these can be used as Inctalac cleaners, e.g. for removal of graffiti).