

FINALUX G - 3

(A) APPLICATIONS IN PAINTS, INKS AND COATINGS:

G - 3 is a plasticizer/solvent usable in coatings such as enamels, lacquers, dopes and wire insulating varnishes and can increase the leafing in aluminium powders and paints. It is a primary plasticizer for rubbers, chlorinated rubber, cellulose ethers and acetate and secondary plasticizer for nitrocellulose and vinyl resins.

Highest degree of water resistance is achieved by using G - 3 in Nitrocellulose than that compared with other plasticizer.

The ability of G - 3 to lubricate a surface by gradual exudation or 'Sweating out' and leaving an invisible film, thus preventing adhesion, has made G-3 of value in lacquers for paper and cables.

G - 3 functions as a plasticizer for various inks and it has been employed in inks for writing of non-porous surfaces and which can be easily erased, without leaving residues, by wiping. It is also suggested for use in preparation of pressure hectograph inks for copying.

G - 3 is a VERY GOOD SOFTENING AGENT for PRINTING INKS and improve the lustre of the printed matter.

G - 3 are also used in INKS and CARBON PAPER, where a GLOSSY FINISH is desired.

Magnetic transfer sheets can be prepared by coating paper or plastic sheets with vinyl chloride/vinyl acetate copolymers containing G - 3. G - 3 can be also used in preparation of coatings for producing translucent paper bases for photographic paper.

(B) BUILDING MATERIALS:

G - 3 can act as a damp proofing agent for concrete and similar products where it reduces efflorescence, staining and moisture absorption and leaching of water from concrete encasements containing radio active fission products of iodine.

It is recommended to use in ethyl acrylate or methyl methacrylate copolymers to render building material water repellent. It can also be used to lubricate clay 'slip' and is applicable to masonry.

(C) POLISHES:

G - 3 is an efficient coupling and blending agent for many waxes and this feature, along with its ability to impart improved gloss and polishing properties, has led to its use in wax polishes where it is also a good solvent for many dyes used in polishes.

(D) MISCELLANEOUS:

Since FINALUX G - 3 is compatible with many synthetic rubbers as well as nitrocellulose, polyvinyl butryl, and polycarbonate, it should find use as a plasticizer or modifier for these polymers.

2% addition by weight of FINALUX G - 3 to nitrocellulose will confer water resistance and ease of polishing to nitrocellulose lacquers.

It is also recommended in protective peal-off varnishes. It works as an excellent glossing agent for special lacquers, particularly wood lacquers.

FINALUX G - 3 is also highly water resistant suggesting its use as an additive to reduce the water vapour transmission rate of polymer films.