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"Dutch Boy"®

TEMEX 3

The most effective stabilizer for vinyl-asbestos flooring



DUTCH BOY CHEMICALS

A Product Development of
NATIONAL LEAD COMPANY

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NLI 11609

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"Dutch Boy"®

TEMEX 3

"DUTCH BOY" TEMEX 3 is a new barium-zinc organic stabilizer with a special combination of properties for vinyl-asbestos tiles.

1. Superb heat stability
2. Tile colors retained at initial shades
3. Complete freedom from oil/dirt staining
4. Very good light stability
5. Adds no lubricity to stock

The heat stabilizing action of TEMEX 3 carries asbestos-filled flooring stock easily through the strenuous milling, calendering and closed mold heat treatment cycles normally encountered in production. Comprehensive oven, milling, and molding tests show a retention of initial color beyond any point previously attained. Color difficulties, such as pinking and blazing, which are associated with unfavorable interactions between stabilizer and impurities in asbestos fibers are eliminated by TEMEX 3.

TEMEX 3 provides complete freedom from staining when the flooring product is used in contact with *sulfur* compounds of any type.

The light stability of TEMEX 3 is sufficient to protect a vinyl-asbestos tile throughout considerable exposure to direct sunlight. Since vinyl-asbestos flooring is usually installed indoors, it receives only indirect and intermittent exposure. Consequently, TEMEX 3 gives a very substantial reserve against spotting or discoloration.

An important advantage of TEMEX 3 is its complete freedom from any tendency to lubricate in vinyl flooring stocks. This makes it possible to use any desired level of stabilizer without affecting the processing characteristics through calendering and molding operations.

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With its combination of high heat stability and non-lubricating action, TEMEX 3 is particularly suitable for tile stocks where the maintenance of critical color values is extremely important, such as pastels and whites.

Recommendation

The quantity of TEMEX 3 recommended for a floor tile depends upon the amount and type of asbestos filler used in the formulation. This may range from 4% to 10% TEMEX 3 (resin basis) for various types of tile. For example, about 5% to 6% (resin basis) gives optimum stability in conventional tiles containing approximately equal weights of asbestos filler and resin.

Typical Properties

Composition	Barium-Zinc Organic
Form and Color	Fine White Powder
Specific Gravity	1.15
Fineness, retained on 100 mesh sieve, %	0.01

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