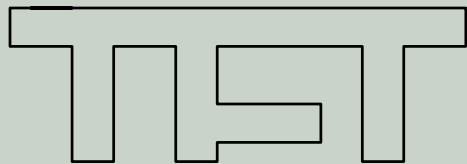


# BIO-GARD

## 254

LEAD-FREE  
CHROME-FREE  
SAFETY STRIPING



Thin Film Technology, Inc.

### PRODUCT DATA SHEET

BIO-GARD 254 is a solvent-free, highly adhesive floor striping system designed for application over surfaces such as existing vinyl tiles and concrete. Thickness is typically 12 -20 mils which provides excellent wear ability in a variety of colors.

BIO-GARD 254 is based on the same tough resin system as BIO-FLOR 182 and has given excellent results in the busiest materials handling facilities over several years *per application*. There is no perceptible odor during application and the film is cured for heavy service after 12 hours at 77°F with "dust-free" drying after about 4 hours.

BIO-GARD 254 has given excellent results on busy loading docks and has proved particularly effective when used with the BIO- FLOR 182 system for encapsulating old vinyl asbestos tile floors with a tougher seamless surface. Retro-reflective glass beads made be broadcast on its surface for increased visibility in low light.

#### RECOMMENDED USES

**LOADING DOCKS:** "Heavy Duty" striping for heavy wear areas. May be made slip resistant by mixing in an abrasive such as aluminum oxide or quartz.

**VINYL ASBESTOS TILE:** Compatible with the BIO-FLOR 182 encapsulation system.

**FOOD HANDLING FACILITIES:** Meets USDA PSIS Directive 11,000.4 " Approval Of Paints and Coatings Used in Official Establishments" dated 8/12/94 for floors.

#### TECHNICAL INFORMATION

VEHICLE TYPE .....	Epoxy/Aliphatic amines
PIGMENTATION .....	Lead and Chromium free color/inert
COLORS .....	All colors including white
FINISH .....	High gloss
THINNER .....	Not normally required
CLEANER .....	MEK or lacquer thinner
MIXING RATIO .....	varies with color - approximately 2/1 by volume
INDUCTION TIME .....	Not required
POT LIFE .....	Approx. 15°/77°F
FLASH POINT .....	Over 200°F
SOLIDS BY VOLUME .....	100%
SPREADING RATE/GAL.....	Normally 300 linear feet of 4" stripe per gallon
DRY TIME, (LIGHT TRAFFIC) .....	12 hours at 77°F
APPLICATION METHOD.....	Squeegee/roller, roller
VOC. ....	Essentially zero

## APPLICATION NOTES

**SURFACE PREPARATION** - This may be accomplished in several ways:

**New Concrete:** leave to cure properly for a minimum of 20 days before coating. Either acid etching or abrasive blasting must remove weak surface laitance. (Note: acid etching can be difficult and unreliable unless performed with particular attention to proper acid application, scrubbing, rinsing and drying.) Abrasive blasting, (recommended), may be effected by conventional open blasting or with "Blastrac"® type centrifugal equipment. The concrete surface after preparation should have the granular appearance of medium sandpaper.

**Aged Concrete:** best prepared by abrasive blasting. If contaminated contact Thin Film Technology for advice.

**Coated Concrete:** if existing coatings are unsound they must be removed by abrasive blasting before BIO-GARD 254 application. Worn but sound coatings may be prepared by vigorous scrubbing with detergent/stripper using an aggressive janitorial scrubber. The surface should be absolutely clean and matt before coating.

**Vinyl Asbestos/Vinyl Composition Tile:** Prepare for coating by scrubbing with wax stripper using a janitorial scrubber. (Note: when stripping vinyl asbestos tile, (VAT), use no more aggressive pad than a green pad in accordance with OSHA directives - under no circumstances abrade the tile surface). Check the pH of the surface after stripping using pH test paper -rinse until pH is in the range 6- 8.5. Vacuum, squeegee or blow-dry the surface before coating application.

**MIXING:** Use a "Jiffy" type mixer on a high torque, (geared down), 1/2" electric drill to first stir the part filled epoxy base unit then add the curing agent and mix thoroughly for at least one minute. *Note: Unmixed components will never cure.* Apply the mixed material to the masked stripe area immediately -sweat-in or induction time is not required. Plan to use the entire mixed kit within 10-15 minutes by using two or more painters if necessary.

**APPLICATION** follows the sequence described below:

Mark the layout of the striping using chalk strings or similar tools then mask on either side of the line using strong masking tape or duct tape. Apply the BIO-GARD 254 using either a brush or roller applying a full coat for best results

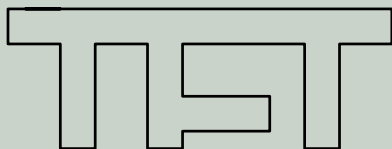
Note: BIO-GARD 254 is 100% solvent-free -application of excess material is not harmful; noffilal curing will take place in any thickness.

Remove masking tape before the BIO-GARD 254 has set hard. Early removal allows a soft and attractive edge to the stripe.

**CURING BEFORE SERVICE:** allow 12hrs curing at 77°F before initial service, which includes rolling, but not spinning, wheeled traffic. Unlimited service is possible after about 24 hrs. at 77°F with "full cure" occurring about 3 days after the last coating application.

PDS2.254"

WE URGE YOU TO READ THE MATERIAL SAFETY DATA SHEET (MSDS) BEFORE USING AND TO CALL THIN FILM TECHNOLOGY, INC., AS NECESSARY FOR ADVICE OR INFORMATION BEFORE ANY ACTUAL OR CONTEMPLATED APPLICATION.



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