



CASE HISTORY ~ CH-048

BIO-FLOR 182 UPGRADES AND ENCAPSULATES HOSPITAL VINYL ASBESTOS TILE FLOORING.

THE CHALLENGE: A busy hospital had over 3,000 sq.ft. of worn vinyl asbestos tile (VAT) on corridors in service areas. These areas provide pharmacy, laundry and catering services almost around the clock. Installing safe new flooring had to be compatible with ongoing operations and had to be completed in a single weekend. Conventional asbestos remediation was not an option because of its high initial cost and unacceptable disruption to normal activities

THE SOLUTION: TFT BIO-FLOR 182 epoxy coating was chosen for this project. This product offers advantages of very quick curing, excellent record of success over VAT and an almost complete lack of odor during application. BIO-FLOR 182 is a 2/1 mix ratio, solvent-free epoxy supplied in 2-gallon kits. The formula is completely free of solvents and harmful chemicals such as chromium and lead.

Surfaces were prepared for coating by hospital janitorial staff using OSHA approved procedures. After cleaning and rinsing the installation crew repaired damaged or missing tiles using a polyester putty material then applied masking tape under doors and at the edge of application areas.

The BIO-FLOR 182 system for this application was custom formulated to complement recently refinished walls which were previously an old, cream-colored ceramic tile. Working with the hospital an attractive blend of colored vinyl chips applied over an "Eggshell" colored base coat was produced. The BIO-FLOR 182 system is custom tintable to achieve almost any desired effect.

APPLICATION:

A colored BIO-FLOR 182 Base Coat is first applied using squeegee and roller then allowed to cure for about 4 hours until firm.

An un-pigmented BIO-FLOR 182 clear coat is then applied and while still uncured the colored vinyl chips are spread by "chicken-feeding" then rolled into the clear coat.



After the "Chip Coat" has cured for about 4 hours a final thin Glaze Coat of BIO-FLOR 182 Clear is applied. The floor is ready for unrestricted service after curing for about 12 hours at 77°F.

RESULT: The high maintenance, possibly hazardous and unattractive VAT floor was replaced with an attractive, low maintenance and safe floor with minimal disruption to ordinary hospital operations in a single weekend.

For more information regarding this project, contact:

Jeff Longmore,
TFT Technical Director

Email: Jeff@thinfilmtech.net

PRODUCT: BIO-FLOR 182

YEAR: 2007

LOCATION: LA CROSSE, WI

We go where others fear to spread!

Thin Film Technology, Inc.
802 Utah Street
South Houston TX 77017
USA

PHONE (713) 910-6200
FAX (713) 910-6210
E-MAIL Answers@thinfilmtech.net
WEB SITE <http://www.thinfilmtech.net>

© 2015 Thin Film Technology, Inc
CH-048_BF182_Hospital flooring_2007 draft
Page 1 of 1