



Fluoropolymer Linings and Coatings

Case History: Concrete Installation

The following study illustrates the use of Integument's new FluoroGrip "peel-and-stick" fluoropolymer films for preventing corrosion and providing a low energy release surface on a corrosive vent shaft.

The concrete was first primed prior to FluoroGrip® installation. Inspection is facilitated by priming with Integument's CP-300 Conductive Epoxy Primer. Traffic areas are protected by applying a chemical resistant topping (see system lay-up below).



System Lay-Up

Installing 2 mil MFA Cap Strips

4" cap strips of 2 mil **FluoroGrip® - M** (MFA), treated on two sides and laminated with acrylic adhesive, were used at the corners of the chute and where two sections of **FluoroGrip® - M** (MFA) were butted against each other.



Layout and Installing 10-mil MFA Film

Since the film is non-toxic and does not emit fumes, the installer is not required to wear any protective equipment or clothing to install **FluoroGrip®**.



No protective equipment needed

24" rolls of 10 mil **FluoroGrip® - M** (MFA), laminated with acrylic adhesive, were used to coat the 140 square foot surface.

Integument

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Case History: Concrete Installation continued...

System Lay-up cont...



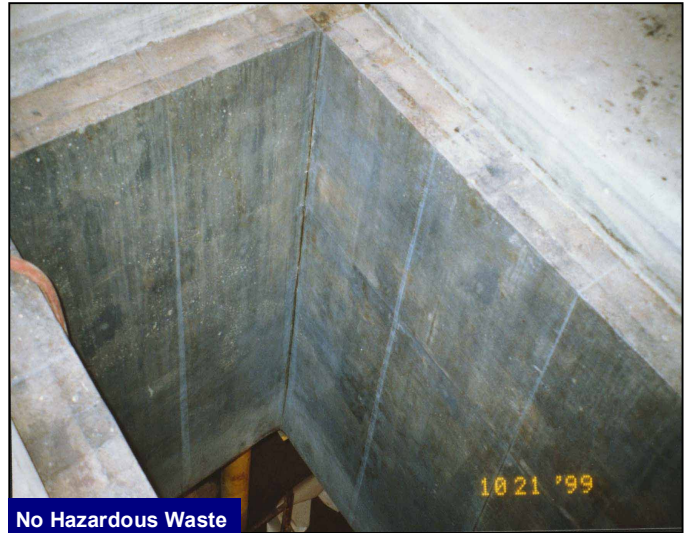
Hand Tools Used to Facilitate Adhesion

Hand tools were used to facilitate bonding between the acrylic pressure sensitive adhesive and the primed concrete surface. Adhesive bonds immediately with maximum adhesion achieved in 24 hours.

FluoroGrip® - M (MFA) is surface-treated MFA* fluoropolymer, optimized for bonding with our adhesives. FluoroGrip® - M is a premium lining for corrosion protection under the most demanding conditions.

- **FluoroGrip® - M** is best suited where temperatures reach 450° F and extreme chemical or other exposures occur.

* MFA is a copolymer of tetrafluoroethylene and perfluoromethylvinylether. MFA is structurally and functionally similar to perfluoroalkoxy fluoropolymer (PFA).



No Hazardous Waste

Completed FluoroGrip® installation with no hazardous wastes generated.

FluoroGrip® - E (ECTFE) *Halar®* is surface-treated ECTFE* fluoropolymer, optimized for bonding with our adhesives. FluoroGrip® - E offers excellent chemical resistance and good gaseous barrier properties. It has excellent surface smoothness and resists abrasion.

- **FluoroGrip® - E** is the right choice for exposures to 325° F and / or in abrasive situations.

*ECTFE is a copolymer of ethylene and chlorotrifluoroethylene.

PRODUCT STANDARDS

FluoroGrip® Contact Films

Standard Roll Widths:	6, 12, and 24 inches
Standard Lengths:	20 and 40 feet
Standard Thickness:	2, 5, 10, and 20 mil
Special Roll Widths:	1 to 48 inches

FluoroGrip® Tapes

Standard Roll Widths:	1, 2, and 4 inches
Standard Length:	30 feet
Standard Thickness:	2, 5, and 10 mil

Halar® is a registered trademark of Ausimont-Solvay

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