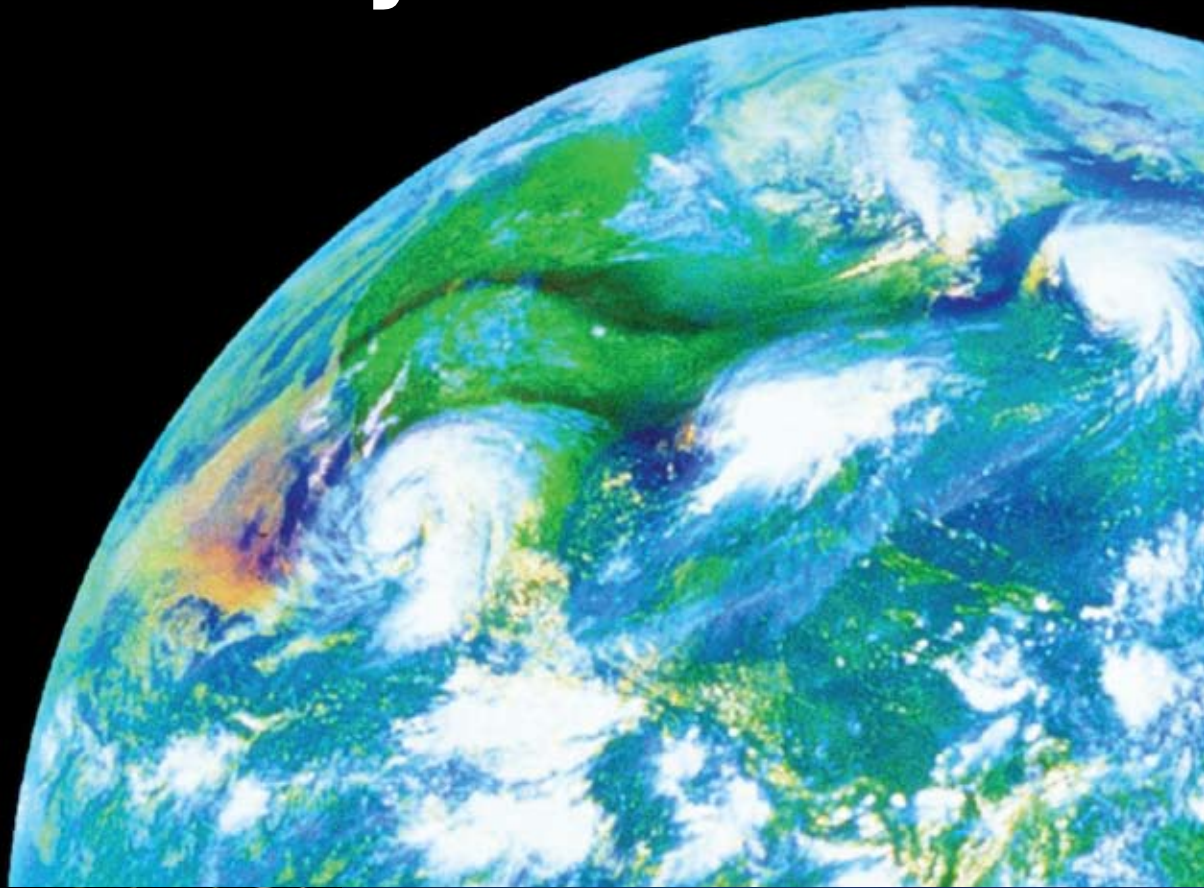


Protecto-Flex System



Dudick inc.

The world knows our name

The Problem: Cracking and corrosion in secondary containment

The Solution: Dudick's Protecto-Flex

Effective secondary containment protection requires 110% guaranteed volume. It's critical in harsh and demanding environments, such as chemical plants, chemical processing, water treatment plants, pharmaceutical and industrial processing. Cracking and corrosion present major problems, however.

Our **Protecto-Flex** solves both these problems. A great deal of research, technology and science went into developing this exclusive and innovative protective state-of-the-art sealing system.

The unique composition of **Protecto-Flex** forges different polymers together, both chemically and mechanically, bonding them to each other and to concrete. The result is that **Protecto-Flex** is an elastomeric polymer that bonds to concrete and reduces the risk of concrete cracks, reflecting or mirroring through the coating topping.

The basic layers for all **Protecto-Flex** systems are identical and consist of a primer, basecoat, reinforcement and saturant. These common layers comprise 90% of the **Protecto-Flex** System. The various topcoats represent 10% of the system. Since the basic layers are common to all, storing material for several different systems requires storing ONLY smaller quantities of the various topcoat materials.

Protecto-Flex's topcoat, or chemical barrier, is what makes it so different. Once it's applied, the different polymers are fused, or bonded, with the chemical topcoat barrier to provide the crack-bridging and chemical resistance required.

When applied to cracks, the unique physical properties of **Protecto-Flex** provide the flexibility and tensile strength to absorb the stress of crack movement. In fact, we warranty crack bridging up to 100 mils. That's something you won't get from any other company.

Protecto-Flex has performed 100 percent successfully during rigorous lab testing and 20 years of field installations. There is simply no better sealing product available for secondary containment. ▼



General Properties for All Protecto-Flex Systems

Primer 67 is designed to tolerate a residual moisture within the concrete and deeply penetrate the surface to provide the "wetting out" required for good bonding.

Primer 67C is designed for applications on concrete where spark testing is required or specified.

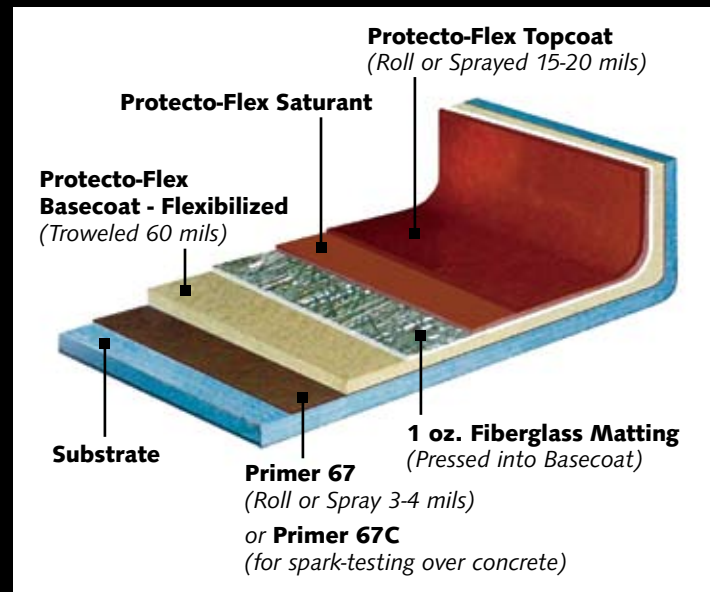
Basecoat: Protecto-Flex uses flexibilized epoxy resin and silica fillers to reduce the coefficient of expansion and provide a thixotropic base on which to embed the reinforcement.

Reinforcement: Chopped strand fiberglass mat is used to help bridge small surface cracks and provide additional flexural strength. It is applied to the wet basecoat and becomes an integral part of it, acting much the same as a reinforcing bar does in concrete.

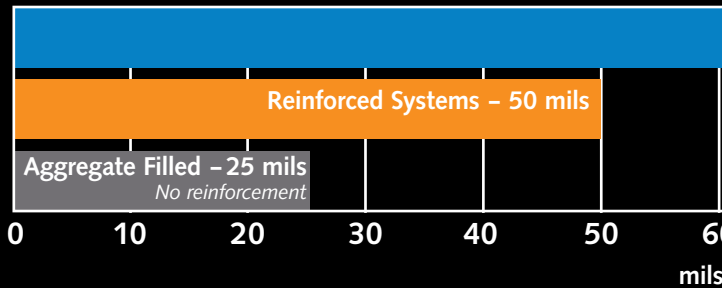
Saturant: Flexibilized epoxy resin is used to wet out and embed the fiberglass reinforcement thus providing a mechanical and chemical bond to the basecoat.

Topcoats: consisting of epoxy, novolac epoxy binders, vinyl esters and carbon/graphite filled systems incorporating flake fillers for high chemical resistance and the lowest permeation rates possible.

(Identical installation layers for all systems. Variation with different topcoats used for specific chemical exposures.)



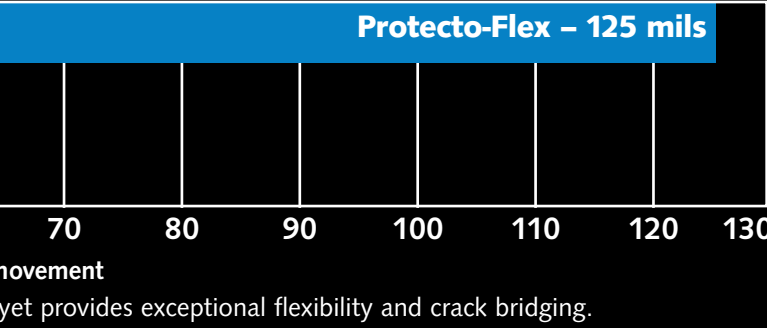
Rigid Systems vs. Flex Systems



Protecto-Flex retains its chemical resistance integrity

| | Protecto-Flex 100XT | Protecto-Flex 310 | Protecto-Flex 800 | Protecto-Flex 800 |
|--------------------------|---|---|---|--|
| Features | Meets all VOC Requirements Can be Seeded for Anti-Skid Bridges Surface Cracks in Concrete Flexible system State of Florida: Secondary Containment Approval EQ-510 | Meets all VOC Requirements FDA Acceptable Bridges Surface Cracks in Concrete Flexible System | Meets all VOC Requirements Bridges Surface Cracks in Concrete Flexible system Can be Seeded for Anti-Skid FDA Compliant | Meets all VOC Requirements Bridges Surface Cracks in Concrete Flexible system |
| Recommended Applications | Secondary Containment Structural Steel Floors Storage Tanks Pump Housings Chemical Labs | Thickener Tanks Clarifiers Waste Treatment Tanks Secondary Containment | Food Processing Floors Laboratories Floors Aisleways Secondary Containment | Plating Room Floors Pickling Room Floors Truck Loading Platforms Chemical Storage Dike Areas Aisleways Chemical Labs |
| Chemical Resistance | Inorganic Acids Alkali Solutions Salts Oils Solvents | Dilute Inorganic Acids Mineral Oils Ammonium Hydroxide Sodium Hydroxide Brine Solutions | Organic Acids Inorganic Acids Mineral Oils Ammonium Hydroxide Brine Solutions | Dilute Inorganic Acids Mineral Oils Ammonium Hydroxide Sodium Hydroxide Brine Solutions |

| Protecto-Flex | | |
|---------------------|--------------------------------------|------------------------------|
| Temperature Limits | Immersion up to 130°F | |
| | Splash & Spill up to 180°F | |
| Physical Properties | Compressive Strength ASTM C-579 | 6,000 PSI |
| | Tensile Strength ASTM C-307 | 4,500 - 5,000 PSI |
| | Tensile Elongation ASTM C-307 | 12 - 15% |
| | Shore D Hardness ASTM D-2240 | 70 - 75 |
| | Tensile Bond Strength ASTM D-4541 | Cohesive failure of concrete |



| | Protecto-Flex 805 | Protecto-Flex 900 | Protecto-Flex 905 |
|--------------|--|--|---|
| Requirements | Meets all VOC Requirements Bridges Surface Cracks in Concrete Flexible system Can be Seeded for Anti-Skid | Meets all VOC Requirements Bridges Surface Cracks in Concrete Flexible system Can be Seeded for Anti-Skid | Meets all VOC Requirements Bridges Surface Cracks in Concrete Flexible system Can be Seeded for Anti-Skid |
| Applications | Plating Room Floors Pickling Room Floors Truck Loading Platforms Chemical Storage Dike Areas Chemical Labs | Food Processing Floors Laboratories Aisleways Secondary Containment | Food Processing Floors Laboratories Secondary Containment |
| Chemicals | Organic Acids Inorganic Acids Mineral Oils Ammonium Hydroxide Sodium Hydroxide Brine Solutions Sodium Hypochlorite Strong Solvents HF Acid | Organic Acids Inorganic Acids Mineral Oils Ammonium Hydroxide Sodium Hydroxide Brine Solutions Strong Solvents | Organic Acids Inorganic Acids Mineral Oils Ammonium Hydroxide Sodium Hydroxide Brine Solutions Strong Solvents HF Acid |



Dudick Delivers Superior Products, Protection and Service.

Dudick is a world leader in custom-engineered high-performance floorings, coatings and linings. We have the best products for your application needs, and we stand behind them. We make sure you get exactly what you need when you need it for your specific situation.

Proven Quality and Long-Term Durability

All Dudick products are engineered and manufactured for the highest possible performance level. They pass the most rigorous tests for quality and long-term durability. Dudick flooring systems are not only fast and easy to apply in the harshest environments, they also retain a smooth, clean appearance with minimal care and cost.

You can count on Dudick

You can count on our excellent floor systems whenever and wherever you need protection. Our reputation is built on our superior formulations of 100% solids and zero VOC products, coupled with our more than 115 years of installation experience. Our technical service staff travel to project sites world wide to guarantee successful results. We work with you every step of the way – from product manufacture to completed application – to make sure you are 100% satisfied.



Complementary products for every job

Primers

Primer 67/67C

Moisture tolerant 100% solids zero VOC epoxy primer with optional conductive properties.

Primer 67DTO

Moisture tolerant, 100% solids zero VOC low odor epoxy primer for enhancing the adhesion of toppings, coatings and lining to oil contaminated concrete substrates.

Caulks

Caulk 100XT

Fluoro-elastomer two-component caulk for high-end chemical resistance to 98% sulfuric, HCl, and solvents.

Caulk 139

100% solids, pourable two-component flexible epoxy control and construction joint filler with broad chemical resistance and 50% elongation.

Caulk 149

100% Solids, trowelable two-component polysulfide caulk with 500% elongation.

Concrete Repair

C Grout

Fast setting 100% cementitious grout for economical repairs to spalled floors. Can be coated in 8 hours even with moisture sensitive coatings.

Grout 100

High performance epoxy grouting material for use under heavy equipment.

Scratch Coats

Epoxy and vinyl ester-based "block fillers" to repair small gouges, bug holes and honey combing prior to coating. Fast setting, economical and compatible with all Dudick floor systems.

Accelerators

Optional additives for reducing cure time on many Dudick systems.

*High Performance Seamless
Wall and Floor Systems*



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Our Commitment to You

Service. Service. And more service.

That's the commitment of our Dudick team – and the secret to our success – for clients all over the world.

Our job isn't done until our containment system is fully installed and our customers are totally satisfied. No excuses. No compromises. We're not satisfied until our customers are satisfied. Period.

Our products are state-of-the-art with exceptional durability. We have nearly four decades of experience under our belt, and more than 115 years of combined installation experience.

A 100% commitment to service and quality. This is our pledge to you.

The Dudick Team

