



PRODUCT INFORMATION

FT370 Elastomeric Water Proof Membrane



DESCRIPTION

FT370 is a two component elastomeric waterproof coating, designed to bridge shrinkage cracks and provide a foundation for a high build system.

ADVANTAGES

- May be used as a stand alone coating
- Permanent flexibility
- Excellent chemical resistant

RECOMMENDED USES

As a water proofing barrier for epoxy high build containment, parking decks, kitchen and showers.

PACKAGING

Available in 25 gallon kits.

MIXING RATIO

Four parts A to one part B.

For pigmentation: One part color to three mixed gallons.

COVERAGE

Approximately 60 sq. ft. per mixed gallon or apply @ 20 mil

GENERAL DATA

Solids by Weight	86%
Solids by Volume	82.3%
Coverage 1 mil DFT	1210 SF/Gal
Spread Rate @ 20 mils DFT	60 SF/Gal
Weight/Gallon	9.9 Lbs
Viscosity	200 cps
SETA Flash	123° F
Pot Life (10 lb mass @ 77° F)	1 1/2—2 Hours
Mixing Ratio	4:1 by Volume
Dry Time @ 77° F @ 50% RH	
Set- to- Touch	7-8 Hours
Minimum Recoat	16 Hours
Maximum Recoat	24 Hours
Full Cure	7 Days
Floor & Air Temp. Limitations	55° F—90° F

CAUTION AWARENESS

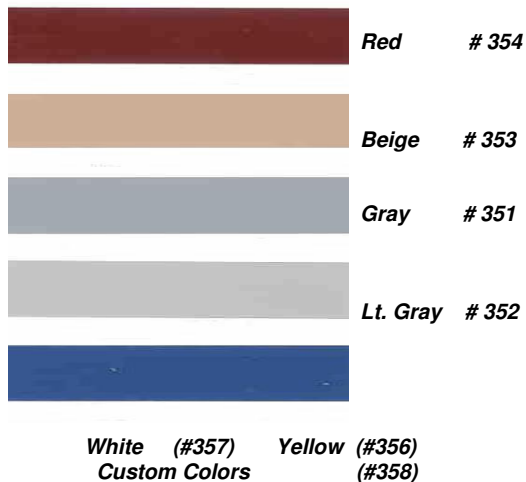
This product may contain solvents and is recommended for use only in areas with adequate ventilation.

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TEST / PHYSICAL PROPERTIES

Test	ASTM	Values
Shore A Hardness	ASTM D 2240	90
Tensile Strength	ASTM D 412	2200 PSI
Flexibility		Excellent & Permanent
Impact		Excellent
Elongation	ASTM D 412	110%
Abrasion Resistance	ASTM D 4060, Taber Abrader CS-17 Wheel, 1,000 gm load cycles	100 mg loss
Moisture Vapor Transmission	ASTM E 96	1.18 perms @ 50 mils
Tear Strength	ASTM D 624	300 pli
Heat Resistance Limitation		180° F

AVAILABLE COLORS



CAUTION AWARENESS

As with all high performance coatings, the cured product may become slippery when wet or if exposed to oily conditions.

For a procedure for incorporating aggregate to obtain a non-slip finish, contact your FloorTech®/IFC Sales Representative.

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LIMITATIONS

This product is not designed for exterior use, immersion, or any use where moisture can reach the underside of the coating. Do not apply to floors previously treated with curing and parting compounds or other coatings unless they have been completely removed by chemical or mechanical means. Do not use on vinyl, asphalt, rubber, glazed tile, paving brick, quarry tile, Mexican tile, or similar materials.

Before applying for protection against specific chemical environments, consult Chemical Resistance Guide or FloorTech® Technical Service.

Sealed surfaces may discolor under tires due to tire plasticizer migration.

If the product is to be applied in or near areas containing food stuffs, they should be removed before the application and until the coating has fully cured and all vapors have dissipated.

Do not thin this product. Addition of thinners will slow the curing times and reduce the ultimate coverage properties of this product. Critical window for the application of second coat times will also be affected.

FLOOR INSPECTION

The area to be surfaced must be a minimum of 60 days old, clean, sound and above 60° F.

The surface must be checked to determine if a curing compound and/or coating is present.

Moisture content of all concrete surfaces to be coated and/or resurfaced must be checked to determine the presence of excess moisture or moisture vapors.

Moisture Test Options:

1. *Polyethylene Sheet Method*—apply 2x2' plastic sheet to the surface to be tested with duct tape. After 24 hours, check underside for presence of moisture.
2. *Delmhorst Moisture Meter*—this is an electrical resistance test to measure moisture content. Two holes are made in the area to be tested and two probes are inserted and a measurement is taken. A reading of >20 indicates the presence of moisture.
3. *Calcium Chloride Test*—Most accurate to measure vapor transmission by absorbing anhydrous calcium chloride. A premeasured lid is placed under an airtight cover for 60 hours after which the lid containing calcium chloride is measured and the increase in weight is a measurement expressed in pounds of water per 1,000 sq. ft. A reading above 3 indicates the presence of moisture.

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SURFACE PREPARATION

Substrate must be dry and all oils, grease, curing membranes, laitance and surface contaminants must be removed along with previously applied incompatible coating. Check with your FloorTech®/IFC Sales Representative to determine proper profile for recommended product system.

The proper profile recommendation is important because it determines the thickness of the system, bond strength and wearing characteristics of the system used. A thin mil protective coating will require a tightly textured low profile to maximize bond and provide flatness to maximize durability and reflectivity.

The International Concrete Repair Institute (ICRI) Guideline No. 03732 has set forth a numerical, surface profiling indicators to be specified for various coating systems — from CSP 1 (Concrete Surface Profile) for 0—3 mil coatings to CSP 9 for >125 mil for synthetic overlays.

FloorTech® adheres to the surface profile guidelines on all coating systems as established by ICRI.

ICRI Guidelines

	Dry Mil	Coating System
CSP 1, 2 & 3	0—3 Mils	FT300/500 Series
CSP 2, 3 & 4	4—10 Mils	FT500 Series
CSP 4, 5 & 6	40—125 Mils	FT400 High Build Series
CSP 5, 6, 7, 8 & 9	>125 Mils	FT820 & FT900 Series

CHEMICAL PREPARATION

ASTM D-4258-83 Standard Practice for Surface Cleaning Concrete for Coating

ASTM D-4260-83 Standard Practice for Etching Concrete

MECHANICAL PREPARATION

Coating / overlays that requires a profile greater than a CSP 3 should be profiled mechanically by shot blasting or manual scarifying/grinding. Surface should be left with a uniform CSP texture.

The following Chemical Resistance Guide will aid in determining the effect of various chemicals to FloorTech® Inc.'s FT370. A rating system for this guide is as follows:

Ratings Key:	
A – Not Recommended	B – 2 Hour Term Splash Spill
C – 8 Hour Term Splash Spill	D – 72 Hour Immersion
E – Long Term Immersion	

ORGANICA ACIDS		
Acetic Acid	5%	A
Cylene		B
Alk		A
Gasoline		B
Sodium hydroxide	10%	E
Sodium Hydroxide	50%	D
Sulfuric	10%	C
Hydrochloric Acid	10%	C
Nitric Acid	20%	A
Phosphoric Acid		C