

PRODUCT DESCRIPTION

IntegraFlex 1437 is a 100% solids, glass flake reinforced, proprietary formulated Advanced Hybrid Cycloaliphatic Phenolic Novolac Polysulfide based lining material. IntegraFlex 1437 is designed for corrosion control, abrasion resistance, chemical resistance, low permeability, thermal and mechanical shock resistance, and toughness in chemical plants, and other areas requiring excellent chemical resistance in immersion conditions. IntegraFlex 1437 may also be used for restoration and leak prevention of petroleum storage tank bottoms, pipelines, and rail cars where resistance to chemicals and abrasion is required. IntegraFlex 1437 can be spray-applied from 16–125 mils DFT depending on the extent of corrosion, and is flexibilized to reduce coating stress resulting from mechanical and physical forces exerted on the substrate. IntegraFlex 1437 is a two-component system; Resin and Hardener.

APPLICATION DATA SUMMARY

See Application Instructions for complete information on surface preparation, equipment, environmental conditions, application procedures, and safety precautions. For conditions outside the specifications or limitations described, contact Wolverine Coatings Corporation for details.

SURFACE PREPARATION

Coating performance is directly related to the quality and degree of surface preparation. Prior to overcoating, all surfaces must be clean, dry, undamaged, and free of all contaminants. For more specific information, consult the surface preparation section contained in the Application instructions.

SAFETY PRECAUTIONS

Read the Safety Data sheet carefully before use. Safety precautions in the SDS should be carefully followed during storage, handling and use. Improper use and handling can be hazardous to health and cause fire or explosion. For further information, please refer to our "Epoxy Resin Safety Handling Guide".

APPLICATION DATA

Substrate:	Steel, Concrete, Fiberglass
Surface Preparation	
Steel	SSPC-SP5 Abrasive Blast
Concrete	SSPC-SP5 Abrasive Blast
Application Method:	Single or Plural Component Airless Spray System (min. 45:1 compression ratio with 1/2 inch hoses). For smaller areas and repairs, a trowel may be used.
Min. Application Temperature:	45°F
Pre-Heating:	Heat each component to 95-120 °F prior to mixing.
Thinning:	Not recommended or desired

APPLICATION DATA (CONTINUED)

Clean Up:	MEK or Xylene
Mixing:	Mechanically pre-mix each component; add the hardener into the resin and then mix the combined compound at 400-600 rpm for 3 to 4 minutes.
Mix Ratios:	1 Parts "A" to 1 Parts "B" (By Volume)

TECHNICAL DATA

PROPERTY	VALUE
Weight (lbs/gal):	10.5 +/- 0.5
Recommended Thickness, Mils DFT:	16 - 125
Theoretical Coverage, SqFt/Mil/Gal:	1604
VOC Content (mixed), g/l:	nil
Flash Point (mixed, g/l:	>200
Pot Life (@ 77°F / 50% RH):	28 - 34 mins
Pot Life (@ 100°F / 50% RH):	16 - 20 mins
Color(s):	Blue, Gray, Off White, Other Special Colors Available
Coverage to Achieve Dry Film Thickness (SqFt/Gal.):	36 @ 40 mils 18 @ 80 mils
Drying Time (@ 77°F and 50 RH):	To Touch: 6 Hrs To Handle: 24 Hrs To Recoat: 4 - 8 Hrs
For Immersion Service:	24 Hrs *Force curing is required for low temperature applications to expedite curing process and where extreme temperature and chemical resistance is required.

SHIPPING DATA

Packaging:	2 Gallon Kits, 10 Gallon Kits
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STORAGE

Shelf Life (indoors @ 40-100°F):	1 year from date of manufacture (factory sealed)
Do not open containers until ready to use. Keep sealed containers in a cool, dry place. Avoid contact with sources of extreme hot or cold temperatures as well as direct sunlight. Containers should be stored at 65°F to 95°F. Shelf life is one (1) year if exposed to the above conditions.	

TYPICAL USES

- * Chemical process floors & concrete containment areas
- * Steel and fiberglass storage tank bottoms or pipelines
- * Rail car linings
- * Pulp and paper manufacturing facilities
- * Pipe internals carrying slurries & abrasive mixtures

BENEFITS

- * Fast turnaround time (Cures in 24 hours at ambient temperature)
- * High chemical and temperature resistance (Force curing at high temperature will increase chemical and temperature resistance)
- * Very low permeability
- * High flexibility
- * High abrasion resistance
- * High-build, easy to install monolithic application process (16-125 mils DFT)
- * Excellent adhesion to steel, concrete and fiberglass substrates
- * Low cured shrinkage
- * VOC compliant

CHEMICAL RESISTANCE

Summarized; for a more comprehensive list of chemical resistance, please refer to our Product Resistance Data Guide. Films cured for 7 (seven) days at 77°F are unaffected after 1 (one) year immersion at ambient temperatures.

Alum, Aluminum Chloride, 29%, Bleach

Lactic Acid, 10%

Sulfuric Acid, 70%

Sodium Hydroxide, 50%

Sour Crude Oil

Trichloroethane

Water, distilled

** Please Consult your Wolverine Coatings Corporation Technical Representative

SAFETY

For your safety, all required personal protection equipment should be used when operating machinery or handling chemicals. Concrete dust is a source of silica particles and other hazardous materials that can cause silicosis and other illnesses. Proper safety equipment and methods are the responsibility of the installation company, general contractor, and/or facility owner.

WARRANTY

Wolverine Coatings Corporation warrants its products to be free from defects in material and workmanship. Wolverine Coatings Corporation's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at Wolverine Coatings option, to either replacement of products not conforming to this Warranty or credit to the Buyer's account in the invoiced amount of the nonconforming products. Any claim under this warranty must be made by the Buyer to Wolverine Coatings in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the ship date, whichever is earlier. Buyer's failure to notify Wolverine Coatings of such nonconformance as required herein shall bar Buyer from recovery under this warranty.

Wolverine Coatings makes no other warranties about the product. No other warranties, whether expressed, implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply.

Any recommendation or suggestion relating to the use of the products made by Wolverine Coatings, whether in its technical literature, or in response to specific inquiry or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyers having requisite skill and know-how in the industry, and therefore it is for the Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment, changes in procedure of use, or extrapolation of data may cause unsatisfactory results.

LIMITATION OF LIABILITY

Wolverine Coatings Corporation's liability on any claims based upon Wolverine Coatings Corporation's negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or parts thereof which give rise to the claim. In no event shall Wolverine Coatings Corporation be liable for consequential or incidental damages.

LITERATURE REVISION - TDS: IntegraFlex 1437 - Rev. 250123

Published literature is subject to change without notice. Wolverine Coatings Corporation is constantly engaged in the testing of existing formulations, the development of new innovative technologies, and the evaluation of the latest practices. The latest literature should always be consulted at www.wolverinecoatings.com.



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