



IET Systems Coating Technical Data Sheet

Part A PC-1465 Resin
Part B MEK-P Catalyst

www.ietsystem.com

IET SYSTEMS Polymorphic Resin...

...is one of the strongest concrete repair or coating products available

...low viscosity primer penetrates into the open pores of prepared concrete creating a structural attachment stronger than the concrete matrix itself. The strength of the concrete becomes the limiting factor in adhesion.

...can be used in place of cement and water as the binding agent for any aggregate mix used in concrete. IET-Crete creates a super concrete that can be used for repairs of damaged concrete or the creation of invert channels and pedestals as monolithic structures. Returns badly damaged concrete to service in less than 2 hours.

...is extremely abrasion, impact and chemical resistant.

...is a barrier to molecules as small as PCB's, making it the finest secondary containment coating available.

...prevents the intrusion of all water, and water borne chlorides, arresting rebar corrosion and the resulting concrete break up.

...has no critical time limits between coats. When the previous coat begins to gel (a matter of minutes) the next coat can be applied. Should a delay occur (there is no limit on how long) the application can resume without any difficulty.

...can be applied at surface temperatures ranging from -40°F to +150°F. This means a virtual year round material in any climate from Alaska to Florida.

...is the cost competitive answer to your renovation and protection needs.

Recommended Uses:

- Manholes
- Lift Stations
- Wet wells
- Clarifiers
- Influent chambers
- Containment areas
- Digesters
- Vaults
- Sluice ways
- Headworks
- Corrosive environments
- Tank lining

Product Characteristics:

Finish:	Semi-gloss
Color:	White (can be tinted any color)
Volume Solids:	100%
Dry mils:	60 Min – No Max

Drying Schedule at 75° F:

To touch:	1/2 hour
To recoat:	1 hour min – No max
Return to service:	1-2 hours
To cure:	6 hours
Pot life:	15-30 minutes
Sweat-in time:	5 minutes



Performance Characteristics:

Flexural Strength	21,650 psi	ASTM D790
Tensile Strength	11,000 psi	ASTM D638
Tensile Modulus psi x 10 ⁵	5.6 psi	ASTM D638
Tensile Elongation %	2.4	ASTM D638
Heat Distortion °F	214	ASTM D648
Barcol Hardness	42	ASTM D2583

Surface Preparation:

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Minimum recommended surface preparation:

Abrasive blasting is the recommended method for surface preparation (wet or dry blast).

Iron & Steel:

Atmospheric: SSPC-SP6/NACE 3, 2 mil (50 micron) profile

Immersion: SSPC-SP10/NACE 2, 2-3 mil (50-75 micron) profile

Concrete & Masonry:

Atmospheric: SSPC-SP13/NACE 6

Immersion: SSPC-SP13/NACE 6-4.3.1 or 4.3.2

New concrete/masonry must be cured at least 28 days

IET SYSTEMS
17660 East Street
North Fort Myers, FL 33917
Contact: Jeff Yingling
Phone: 239-997-6645
www.ietsystem.com

Application Conditions:

- Temperature: -20°F to 150°F
- Reduction: Not Recommended
- Cleanup: Acetone
- Pressure Pot Sprayer: For general applications
- Spincaster Unit: For Manholes and Lift stations
- Brush: For small areas
- Roller: 3/8" nap

Application Guidelines:

For professional use only by IET certified applicators

- Prime Coat: Apply at 5-10 mils
- Intermediate Coat: Apply at 50 mils per coat, multiple coats may be used as needed
- Top Coat: Apply at 5-10 mils

Chemical Resistance:

High resistance to chemicals and corrosion. For specific chemical resistance data refer to Corezyn Isophthalic Corrosion Results.

Safety Precautions:

Refer to MSDS sheet before use.

Warranty:

Ten-Year Unlimited Material Warranty