

HydraTech HydraLine 4135

Multi-Purpose Epoxy Coating

Issue 10.14

The HydraTech HydraLine 4135 is a performance driven product that provides a chemical and corrosion resistant repair for primary and secondary containment applications. The 4135 is backed by our engineering staff that services each application with assessment and technical support.

PRODUCT DESCRIPTION

- The HydraLine 4135 is a unique, high performance acid resistant coating.
- The 4135 provides excellent adhesion to a variety of substrates while allowing a sag free application at high film builds.
- HydraLine 4135 can be filled with chopped fibers to create a chemical resistant filler / putty or be filled with Portland cement to form a chemical resistant mortar / grout.
- The HydraLine 4135 can be utilized in combination with a variety of woven fabrics to give a chemical resistant structural repair.

Advantages

- Rapid development of physical properties with ambient cure. No post cure required.
- Excellent Chemical Resistance
- Excellent Adhesion
- 100% Solvent-Free, Zero V.O.C.
- Low temperature cure down to 40°F (4°C)
- Full contract support services, if required

PHYSICAL PROPERTIES

	<u>4135</u>
Color	Steel Green
Working Life – 68°F (20°C)	15 minutes
Dry Times – 68°F (20°C)	4 Hours
% Vol Solids (ASTM 2369)	100
Shore D Hardness (ASTM D2240)	80
Mix Ratio	Pre-measured 1:1
Flash Point	> 200°F (93°C)
Storage Life	Twelve months when stored in original sealed containers, between 50-77°F (10-25°C)

PERFORMANCE DATA

CHEMICAL RESISTANCE ASTM D543 (30 day immersion)

Water	No effect
Sodium Hydroxide 5%	No effect
Ammonium Hydroxide 5%	No effect
Sodium Hypochlorite (bleach)	No effect
Ferric Chloride 1%	No effect
Sulfuric Acid 98%	Discoloration
Nitric Acid 1%	No effect
Detergent Solution	No effect
Gasoline	No effect
Toluene	No effect
Phosphoric Acid 50%	No effect
Hydrochloric Acid 36%	Discoloration

ADHESION ASTM D4541 (psi)

Cold Rolled Steel	>2,000
Hot Rolled Steel	>2,000
Cast Iron	>2,000
304 Stainless Steel	>2,000
316 Stainless Steel	>2,000
Concrete	Concrete Failure

(Testing reflects results after 24 hour cure)

HYDRALine

Versatile Epoxy Based Products



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APPLICATION RECOMMENDATIONS

Minimum Application Temp	40°F (4.4°C)
Maximum Relative Humidity	85%
Substrate Temperature	5°F (3°C) above dew point
Thinning	Do not thin
Cleaning Fluid	Universal Equipment Cleaner

To aid application at low temperatures, both components should be warmed to 60-68°F (15.5-20°C) prior to mixing.

SUBSTRATE PREPARATION

Substrate preparation dictates the adhesion performance of any coatings system. A properly prepped surface will ensure maximum life and performance of the system.

Concrete:	NACE No.6*	/	SSPC-SP 13*
Steel:	NACE No.2*	/	SSPC-SP 10*
	NACE No.3	/	SSPC-SP 6
	NACE No.5	/	SSPC-SP 12

*indicates recommended method

NOTE

The 4135 System is not intended for applications with exposure to strong acids, organic acids, strong solvents (MEK, Acetone, Alcohol). Consult technical staff regarding applications where exposure to organic acids or strong solvents may exist. To be applied by certified personnel only. See MSDS for additional safety information. System will discolor when exposed to sunlight.

INSTALLATION PROCEDURE

- Prepare substrate
- Mechanically mix together both 4135 components until uniform in color
- Apply 4135 to prepared substrate via brush or spreader
- Allow 4135 to cure a minimum of 24 hours before return to service, permit sever day cure for immersion application in contact with aggressive reagents.

PERSONAL PROTECTION

INHALATION:

Wear suitable respiratory cartridge mask in enclosed spaces. Work in well ventilated areas.

EYES:

Wear suitable goggles.

SKIN:

Wear protective clothing and gloves made of impervious material.

STORAGE:

Store away from direct sunlight and sources of heat. Store at 40° to 90°F (4° to 32°C). Avoid Freezing.

COVERAGE

	UNIT SIZE	COVERAGE
4134	Pt	4.5 sqft
	Qt	9 sqft
	Hg	23.5 sqft

Primer coverage based on 32mil film build.
Wet-Out coverage based on 99.36gg/sqft of 300C fabric.

ORDER INFORMATION

Part No. for standard kits consist of: **Product Code - Component – Container Code**

Pint Kit	Quart Kit	Half Gallon Kit
4135A63	4135A71	4135A11
4135B63	4135B71	4135B75

*** **NOTE:** Custom kit quantities can be packaged for special application. ***

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