


HydraTech HydraLine 4134

Multi Purpose Epoxy Coating

PRODUCT DESCRIPTION	PHYSICAL PROPERTIES																														
<ul style="list-style-type: none"> The HydraLine 4134 is a unique, high build epoxy coating for corrosion resistant applications. The 4134 provides excellent adhesion to a variety of substrates while allowing a sag free application at high film builds. HydraLine 4134 can be filled with chopped fibers to create a polymeric filler / putty or be filled with Portland cement to form a polymeric mortar / grout. The HydraLine 4134 can be utilized in combination with a variety of woven fabrics to give a structural repair. <p><u>Advantages</u></p> <ul style="list-style-type: none"> Rapid development of physical properties with ambient cure. No post cure required. Good 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 	<table style="width: 100%; border: none;"> <tr> <td style="width: 60%;"></td> <td style="text-align: center;"><u>4134</u></td> </tr> <tr> <td>Color</td> <td style="text-align: center;">Steel Blue</td> </tr> <tr> <td>Working Life – 68°F (20°C)</td> <td style="text-align: center;">15 minutes</td> </tr> <tr> <td>Dry Times – 68°F (20°C)</td> <td style="text-align: center;">4 Hours</td> </tr> <tr> <td>% Vol Solids (ASTM 2369)</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Shore D Hardness (ASTM D2240)</td> <td style="text-align: center;">80</td> </tr> <tr> <td>Mix Ratio</td> <td style="text-align: center;">Pre-measured 1:1/container</td> </tr> <tr> <td>Flash Point</td> <td style="text-align: center;">> 200°F (93°C)</td> </tr> <tr> <td>Storage Life</td> <td style="text-align: center;">Twelve months when stored in original sealed containers, between 50-77°F (10-25°C)</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Adhesion to Cold Rolled Steel (psi) (ASTM D4541)</td> <td style="text-align: center;">>2,000</td> </tr> <tr> <td>Adhesion to Hot Rolled Steel (psi) (ASTM D4541)</td> <td style="text-align: center;">>2,000</td> </tr> <tr> <td>Adhesion to Cast Iron (psi) (ASTM D4541)</td> <td style="text-align: center;">>2,000</td> </tr> <tr> <td>Adhesion to 304 Stainless (psi) (ASTM D4541)</td> <td style="text-align: center;">>2,000</td> </tr> <tr> <td>Adhesion to 316 Stainless (psi) (ASTM D4541)</td> <td style="text-align: center;">>2,000</td> </tr> <tr> <td>Adhesion to Concrete (ASTM D4541)</td> <td style="text-align: center;">Concrete Failure</td> </tr> </table>		<u>4134</u>	Color	Steel Blue	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/container	Flash Point	> 200°F (93°C)	Storage Life	Twelve months when stored in original sealed containers, between 50-77°F (10-25°C)	Adhesion to Cold Rolled Steel (psi) (ASTM D4541)	>2,000	Adhesion to Hot Rolled Steel (psi) (ASTM D4541)	>2,000	Adhesion to Cast Iron (psi) (ASTM D4541)	>2,000	Adhesion to 304 Stainless (psi) (ASTM D4541)	>2,000	Adhesion to 316 Stainless (psi) (ASTM D4541)	>2,000	Adhesion to Concrete (ASTM D4541)	Concrete Failure
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<p>HydraLine 4134</p> <p>The HydraTech HydraLine 4134 is a performance driven product that provides a chemical and corrosion resistant repair for primary and secondary containment applications. The 4134 is backed by our engineering staff that services each application with assessment and technical support.</p>																															

APPLICATION RECOMMENDATIONS

SUBSTRATE PREPARATION

<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">Minimum Application Temperature</td> <td>40°F (4.4°C)</td> </tr> <tr> <td>Maximum Relative Humidity</td> <td>85%</td> </tr> <tr> <td>Substrate Temperature</td> <td>5°F (3°C) above dew point</td> </tr> <tr> <td>Thinning</td> <td>Do not thin</td> </tr> <tr> <td>Cleaning Fluid</td> <td>Hunting Universal Equipment Cleaner</td> </tr> </table> <p style="margin-top: 20px;">To aid application at low temperatures, both components should be warmed to 60-68°F (15.5-20°C) prior to mixing.</p> <div style="text-align: center; margin-top: 20px;">  </div>	Minimum Application Temperature	40°F (4.4°C)	Maximum Relative Humidity	85%	Substrate Temperature	5°F (3°C) above dew point	Thinning	Do not thin	Cleaning Fluid	Hunting Universal Equipment Cleaner	<p>Substrate preparation dictates the adhesion performance of any coatings system. A properly prepped surface will ensure maximum life and performance of the system.</p> <table style="width: 100%; border: none; margin-top: 20px;"> <tr> <td style="width: 15%;">Concrete:</td> <td style="width: 35%;">NACE No.6* /</td> <td style="width: 50%;">SSPC-SP 13*</td> </tr> <tr> <td>Steel:</td> <td>NACE No.2* /</td> <td>SSPC-SP 10*</td> </tr> <tr> <td></td> <td>NACE No.3 /</td> <td>SSPC-SP 6</td> </tr> <tr> <td></td> <td>NACE No.5 /</td> <td>SSPC-SP 12</td> </tr> </table> <p style="text-align: center; margin-top: 20px;">*indicates recommended method</p>	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
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Acid Resistant Epoxy Coating

PERFORMANCE DATA	INSTALLATION PROCEDURE																																												
<p>CHEMICAL RESISTANCE ASTM D543 (31 day immersion)</p> <table style="width: 100%; border: none;"> <tr><td style="width: 50%;">Water</td><td style="width: 50%;">No effect</td></tr> <tr><td>Sodium Hydroxide 5%</td><td>No effect</td></tr> <tr><td>Ammonium Hydroxide 5%</td><td>No effect</td></tr> <tr><td>Sodium Hypochlorite (bleach)</td><td>No effect</td></tr> <tr><td>Ferric Chloride 1%</td><td>No effect</td></tr> <tr><td>Sulfuric Acid 20%</td><td>No effect</td></tr> <tr><td>Nitric Acid 1%</td><td>No effect</td></tr> <tr><td>Detergent Solution</td><td>No effect</td></tr> <tr><td>Gasoline</td><td>No effect</td></tr> <tr><td>Toluene</td><td>No effect</td></tr> </table> <p>(Testing reflects results after seven day cure)</p> <p>ADHESION ASTM D4541 (psi)</p> <table style="width: 100%; border: none;"> <tr><td style="width: 50%;">Cold Rolled Steel</td><td style="width: 50%;">>2,000</td></tr> <tr><td>Hot Rolled Steel</td><td>>2,000</td></tr> <tr><td>Cast Iron</td><td>>2,000</td></tr> <tr><td>304 Stainless Steel</td><td>>2,000</td></tr> <tr><td>316 Stainless Steel</td><td>>2,000</td></tr> <tr><td>Concrete</td><td>Concrete Failure</td></tr> </table> <p>(Testing reflects results after 24Hr cure)</p>	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 20%	No effect	Nitric Acid 1%	No effect	Detergent Solution	No effect	Gasoline	No effect	Toluene	No effect	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	<p style="text-align: center;">NOTE</p> <p>The 4134 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.</p> <p style="text-align: center;">COVERAGE</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px auto;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 30%;">KIT SIZE</th> <th style="width: 40%;">COVERAGE</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">4134</td> <td style="text-align: center;">Pt</td> <td style="text-align: center;">4.5 sqft</td> </tr> <tr> <td></td> <td style="text-align: center;">Qt</td> <td style="text-align: center;">9 sqft</td> </tr> <tr> <td></td> <td style="text-align: center;">Hg</td> <td style="text-align: center;">23.5 sqft</td> </tr> </tbody> </table> <p style="text-align: center; font-size: small;">(Primer coverage based on 32mil film build.)</p>		KIT SIZE	COVERAGE	4134	Pt	4.5 sqft		Qt	9 sqft		Hg	23.5 sqft
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<p>INHALATION: Wear suitable respiratory cartridge mask in enclosed spaces. Work in well ventilated areas.</p> <p>EYES: Wear suitable goggles.</p> <p>SKIN: Wear protective clothing and gloves made of impervious material.</p> <p>STORAGE: Store away from direct sunlight and sources of heat. Store at 40° to 90°F (4° to 32°C). Avoid Freezing.</p>																																													

ORDER INFORMATION

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

<u>Pint Kit</u>	<u>Quart Kit</u>	<u>Half Gallon Kit</u>
4134A63	4134A71	4134A11
4134B63	4134B71	4134B75

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

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