

DCC; Aluminum, Green, Yellow Resistance list

Resistance to various agents and particles has been tested in lab conditions. The issues of a warranty to a condenser by the EnergyGuard corrosion protection system will be subject to the exposure conditions simulated in this test.

Values are based on average concentrations, at any doubts the R&D department should be consulted).

Attention!! Resistance is expressed by terms of vapors, not fluids. At exposure to fluids, cleaning agents, chemicals, process fluids or others, R&D department should be consulted.

< 10 ppm = Resistant to concentrations less than 10 ppm
 < 100 ppm = Resistant to concentrations less than 100 ppm
 All = resistant to all concentrations

ALKALINES

1. Ammonia
2. Ammoniacal solution
3. Caustic soda
4. Sodium hydroxyde
5. Caustic potassium
6. Potassium hydroxide
7. Lithium hydroxide
8. Calcium hydroxide
9. Magnesium hydroxide

< 10 ppm	< 100 ppm	All
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ALCOHOLS

10. Methanol
11. Ethanol
12. Isopropanol
13. Butanol
14. Amyl alcohol
15. Benzyl alcohol
16. Diaceton alcohol DAA
17. Glycerine
18. Propanol
19. Pentanol

< 10 ppm	< 100 ppm	All
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ALIPHATIC HYDROCARBONS

20. White spirit
21. Shellsol TD
22. Bitumen
23. Isopar G
24. Paraffine

< 10 ppm	< 100 ppm	All
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AMINES

25. Triethanolamine
26. Aniline sulphate
27. Hexamethylenetetraamine
28. Hexaandiamine
29. Phenylidiamine
30. Cyclohexylamine
31. Triethylamine
32. Aniline
33. Aniline chloride
34. Methylamine
35. Isoferondiamine
36. Diphenylmethanediamine

< 10 ppm	< 100 ppm	All
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INORGANIC

37. Arsenic
38. Boric acid
39. Hydrogen carbonate
40. Chromic acid
41. Bromic acid
42. Hydrochloric acid
43. Hydrogen fluoride
44. Hydrogen sulphide
45. Nitric acid
46. Nitrous acid
47. Sulphuric acid
48. Sulphurous acid
49. Phosphoric acid
50. Perchloric acid
51. Selenic acid

< 10 ppm	< 100 ppm	All
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AROMATIC HYDROCARBONS

52. Xylene
53. Toluene
54. Asphalt
55. Anthracene
56. Benzapherene
57. Gumlac
58. Benzene
59. Naphtha
60. Naftalene
61. Terpenes

< 10 ppm	< 100 ppm	All
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FUELS AND OILS

- 62. Diesel
- 63. Fuel oil
- 64. Petrol
- 65. Super petrol
- 66. Lubricating oils
- 67. Kerosene
- 68. Sferic oils
- 69. LPG
- 70. Mineral oils
- 71. Animal oils
- 72. Ethric oils
- 73. Vegetable oils
- 74. Butane
- 75. Acetylene
- 76. Methane

< 10 ppm	< 100 ppm	All
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ETHERS

- 77. Diethyl ether
- 78. Acetic ether

< 10 ppm	< 100 ppm	All
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ESTERS

- 79. Ethyl acetate
- 80. Amyl acetate
- 81. Propyl acetate
- 82. Ethyl oxalate
- 83. Butyl acetate
- 84. Butyl propionate
- 85. Ethyl formiate
- 86. Ethyl benzoate

< 10 ppm	< 100 ppm	All
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HALOGENATED HYDROCARBONS

- 87. 1.1.1. Trichloroethane
- 88. Methylenechloride
- 89. Methylbromide
- 90. Tetrachloromethane
- 91. Dichloromethane
- 92. Trichloroethylene
- 93. Perchloroethylene
- 94. Tetraiodicmethane
- 95. PCB

< 10 ppm	< 100 ppm	All
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KETONES AND ALDEHYDES

- 96. Acetone
- 97. Aceetaldehyde
- 98. Benzaldehyde
- 99. Formaldehyde
- 100. Salicylaldehyde
- 101. Diisobutylketone
- 102. Methylisobutylketone
- 103. Methylethylketone
- 104. Butanol
- 105. Crotonaldehyde

< 10 ppm	< 100 ppm	All
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SOFTENERS

- 106. Palatinol C
- 107. Chloroparaffine 5XX vl.
- 108. Dioctylphosphate
- 109. Dibutylphosphate
- 110. Desavin
- 111. Disflamol TOF
- 112. Mesamol
- 113. Dinonylphenol

< 10 ppm	< 100 ppm	All
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ORGANIC

- 114. Acetic acid
- 115. Benzoic acid
- 116. Lactic acid
- 117. Phenols
- 118. Citric acid
- 119. Fatty acids
- 120. Formic acid
- 121. Hydrocyanic acid
- 122. Malic acid
- 123. Margoric acid
- 124. Picric acid
- 125. Oleic acid
- 126. Oxalic acid
- 127. Sulphamic acid
- 128. Palmitic acid
- 129. Tannin
- 130. Phthalic acid
- 131. Propionic acid
- 132. Salicylic acid
- 133. Stearic acid
- 134. Valeric acid

< 10 ppm	< 100 ppm	All
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SALTS AND WATER SOLUTIONS

		< 10 ppm	< 100 ppm	All
135.	Sodium salts			☑
136.	Potassium salts			☑
137.	Calcium salts			☑
138.	Aluminum salts			☑
139.	Ammonium salts			☑
140.	Barium salts			☑
141.	Copper salts			☑
142.	Lead salts			☑
143.	Lithium salts			☑
144.	Magnesium salts			☑
145.	Mercury salts			☑
146.	Lithopone			☑
147.	Arsenious compounds			☑
148.	Hydroquinone			☑
149.	Iron salts			☑
150.	Process water			☑
151.	Rain water			☑
152.	Sea water			☑
153.	Heavy water			☑
154.	Zinc salts			☑
155.	Tin salts			☑
156.	Silicon salts			☑
157.	Cement			☑
158.	Quarts			☑
159.	Dolomite			☑

OTHER

ER		< 10 ppm	< 100 ppm	All
160.	Carbon disulphide		☒	
161.	Carbon monoxide			☒
162.	Carbon dioxide			☒
163.	Nitrogen			☒
164.	Nitrogen monoxide			☒
165.	Nitrogen dioxide			☒
166.	Hydrogen peroxide		☒	
167.	Chlorine	☒		
168.	Iodine	☒		
169.	Iodine tincture		☒	
170.	Bromic	☒		
171.	East-Indian ink			☒
172.	Phosphor			☒
173.	Diphosphorpentoxyde	☒		
174.	Zinc			☒
175.	Glucose (syrup)			☒
176.	Fructose			☒
177.	Mercury			☒
178.	Sulphur			☒
179.	Sulphur dioxide			☒
180.	Antimony			☒
181.	Indole			☒
182.	Nitroglycerine			☒
183.	Hydrogen			☒
184.	Epoxy resins			☒
185.	Isocyanate			☒
186.	Rubber			☒
187.	Shellac			☒
188.	Urea			☒
189.	Thioureum			☒
190.	Fruit essences			☒
191.	Beer			☒
192.	Flour products			☒
193.	Corn			☒
194.	Coffee			☒
195.	Tea			☒
196.	Liqueur			☒
197.	Menthol			☒
198.	Camphor			☒
199.	Carbon			☒
200.	Cellulose			☒
201.	Cellulose acetate			☒
202.	Nitrocellulose			☒
203.	Methyl cellulose			☒
204.	Cocoas			☒
205.	Silicium			☒
206.	Silicium carbide			☒
207.	Viscose			☒

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208.	Rescosinol	☒
209.	Resins	☒
210.	Tobacco	☒
211.	Nicotine	☒
212.	Trinitrobenzene	☒
213.	Gelatin	☒
214.	Printer's ink	☒
215.	Milk	☒
216.	Potato flour	☒
217.	Vegetables	☒
218.	Fruit	☒
219.	Spices	☒
220.	Honey	☒
221.	Mustard	☒
222.	Mayonnaise	☒
223.	Tomato ketchup	☒
224.	Curry	☒
225.	Cacao	☒
226.	Carbonated Soda	☒
227.	Sauerkraut	☒
228.	Blood	☒