ENERGY GUARD

efficiency coatings for hvac & r equipment

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	< 10 ppm	< 100 ppm	All
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			☑

ALCOHOLS	< 10 ppm	< 100 ppm	All
10. Methanol	☑		
11. Ethanol			☑
12. Isopropanol			☑
13. Butanol			☑
14. Amyl alcohol			☑
15. Benzyl alcohol			☑
16. Diaceton alcohol DAA			☑
17. Glycerine			☑
18. Propanol			☑
19. Pentanol			☑

ALIPHATIC HYDROCARBONS	< 10 ppm	< 100 ppm	All
20. White spirit			☑
21. Shellsol TD			☑
22. Bitumen			☑
23. Isopar G			☑
24. Paraffine			☑

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AMINES	< 10 ppm	< 100 ppm	All
25. Triethanolamine			☑
26. Aniline sulphate			☑
27. Hexamethylenetetraamine			☑
28. Hexaandiamine	☑		
29. Phenyldiamine			☑
30. Cyclohexylamine	☑		
31. Triethylamine			☑
32. Aniline	☑		
33. Aniline chloride	☑		
34. Methylamine			☑
35. Isoferondiamine			☑
36. Diphenylmethanediamine			☑

INORGANIC	< 10 ppm	< 100 ppm	All
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			☑

AROMATIC HYDROCARBONS	< 10 ppm	< 100 ppm	All
52. Xylene			☑
53. Toluene			☑
54. Asphalt			☑
55. Anthracene			☑
56. Benzapherene			☑
57. Gumlac			☑
58. Benzene			☑
59. Naphtha			☑
60. Naftalene			☑
61. Terpenes			☑

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FUELS AND OILS		< 10 ppm	< 100 ppm	All
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			☑

ETHERS		< 10 ppm	< 100 ppm	All
77.	Diethyl ether	☑		
78.	Acetic ether	☑		

ESTERS		< 10 ppm	< 100 ppm	All
79.	Ethyl acetate		☑	
80.	Amyl acetate			☑
81.	Propyl acetate			☑
82.	Ethyl oxalate			☑
83.	Butyl acetate			☑
84.	Butyl propionate			☑
85.	Ethyl formiate			☑
86.	Ethyl benzoate			☑

HALOGENATED HYDROCARBONS		< 10 ppm	< 100 ppm	All
87.	1.1.1.Trichloroethane	☑		
88.	Methylenechloride	☑		
89.	Methylbromide	☑		
90.	Tetrachloromethane	☑		
91.	Dichloromethane	☑		
92.	Trichloroethylene	☑		
93.	Perchloroethylene	☑		
94.	Tetraiodicmethane	☑		
95.	PCB	☑		

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KETONES AND ALDEHYDES		< 10 ppm	< 100 ppm	All
96.	Acetone		☑	
97.	Aceetaldehyde	☑		
98.	Benzaldehyde		☑	
99.	Formaldehyde	☑		
100.	Salicylaldehyde	☑		
101.	Diisobutylketone	☑		
102.	Methylisobutylketone	☑		
103.	Methylethylketone	☑		
104.	Butanol	☑		
105.	Crotonaldehyde	☑		

SOFTENERS		< 10 ppm	< 100 ppm	All
106.	Palatinol C			☑
107.	Chloroparaffine 5XX vl.			☑
108.	Dioctylphosphate			☑
109.	Dibutylphosphate			☑
110.	Desavin			☑
111.	Disflamol TOF			☑
112.	Mesamol			☑
113.	Dinonylphenol			☑

ORGANIC		< 10 ppm	< 100 ppm	All
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.	Margaric 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			☑

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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			☑

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OTHER		< 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			☑