



## PRODUCT COMPARISON

### HIGH PERFORMANCE SILICONE ROOF COATING



| PROPERTY             | RX 985<br>SUPER<br>SILICONE  | GACO<br>S-10<br>SILICONE<br>W14L0364133 | GACO<br>S-20<br>100% SILICONE<br>W14M0292163 | CFS<br>POLY-SIL 2500<br>100% SILICONE<br>6911-001-<br>091814-0044 | WDG<br>HSS 535<br>100% SILICONE<br>L567901P1304 | AP 585<br>ARMOR FLEX         | EVERROOF<br>EVER-SILIC HS<br>100% SILICONE<br>F21501003 | Momentive<br>SMC-302<br>100% SILICONE<br>ROOF COATING<br>15WFA009 | HENRY<br>HE887<br>TROPI-COOL<br>7051101714 |
|----------------------|------------------------------|-----------------------------------------|----------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------|------------------------------|---------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------|
| VOC's                | 10 g/l                       | 249 g/l                                 | 35 g/l                                       | 10 g/l                                                            | 50 g/l                                          | 10 g/l                       | 10 g/l                                                  | 150 g/l                                                           | 250 g/l                                    |
| Viscosity            | 7,000 cps.                   | 7,700 cps.                              | 7,200 cps.                                   | 6,000 cps.                                                        | 7,000 cps.                                      | 7,000 cps.                   | 8,800 cps.                                              | 13,400 cps.                                                       | 10,500 cps.                                |
| Weight/Gallon        | 11.75                        | 9.72                                    | 11.28                                        | 10.66                                                             | 10.10                                           | 11.75                        | 11.13                                                   | 10.52                                                             | 10.41                                      |
| Solids by Weight     | 98.2 %                       | 80.01 %                                 | 97.11 %                                      | 96.10                                                             | 95.56                                           | 98.2 %                       | 92.67 %                                                 | 88.10                                                             | 80.39 %                                    |
| Solids by Volume     | 96.7 %                       | 69.00 %                                 | 95.00 %                                      | 95.90                                                             | 92.00                                           | 96.7 %                       | 89.95 %                                                 | 73.50                                                             | 69.10 %                                    |
| Flash Point          | 300 °F                       | 105 °F                                  | 178 °F                                       | 290 °F                                                            | 300 °F                                          | 300 °F                       | 280 °F                                                  | 180 °F                                                            | 105 °F                                     |
| Dry Time             | 3.0 hr.- Set<br>12 hrs.-Full | 3.5 hr. - Set<br>12 hr. - Full          | 3.0 hr. - Set<br>12 hr. - Full               | 4.0 hr. - Set<br>12 hr. - Full                                    | 3.0 hr. - Set<br>12 hr. - Full                  | 3.0 hr.- Set<br>12 hrs.-Full | 5.5 hr. - Set<br>12 hr. Full                            | 5.0 hr. - Set<br>12 hr. Full                                      | 3.0 hr. - Set<br>12 hrs. - Full            |
| Theoretical Coverage | 100<br>sq.ft./Gal.           | 55 sq.ft./Gal                           | 70 sq.ft./Gal.                               | 70 sq.ft./Gal.                                                    | 100 sq.ft./Gal.                                 | 100 sq.ft./Gal.              | 100 sq.ft./Gal.                                         | 55 sq.ft./Gal.                                                    | 55 sq.ft./Gal.                             |
| Hiding Power         | 98.38 %                      | 97.34 %                                 | 97.01 %                                      | 96.85 %                                                           | 97.20                                           | 98.38 %                      | 96.22 %                                                 | 88.40                                                             | 96.99 %                                    |
| Gloss (60°)          | 78.6                         | 4.9                                     | 72.8                                         | 74.5                                                              | 67.8                                            | 78.6                         | 37.5                                                    | 37.6                                                              | 20.0                                       |
| Sheen (85°)          | 92.9                         | 2.2                                     | 94.5                                         | 88.7                                                              | 85.5                                            | 92.9                         | 74.8                                                    | 79.0                                                              | 1.2                                        |
| Permeability         | 3 perms                      | 6 perms                                 | 5 perms                                      | 6 perms                                                           | 5 perms                                         | 3 perms                      | 3 perms                                                 | 5 perms                                                           | 5 perms                                    |
| Water Absorption     | 0.1%                         | 0.4 %                                   | 0.3 %                                        | 0.4 %                                                             | 0.5 %                                           | 0.1%                         | 0.2 %                                                   | 0.3                                                               | 0.3 %                                      |
| Durameter –Shore A   | 45                           | 39                                      | 37                                           | 39                                                                | 40                                              | 45                           | 40                                                      | 36                                                                | 45                                         |
| Tensile Strength     | 200 psi.                     | 136 psi.                                | 228 psi.                                     | 160 psi.                                                          | 231 psi                                         | 200 psi.                     | 320 psi                                                 | 112 psi                                                           | 257 psi.                                   |
| Tear Resistance      | 31 lb f/in                   | 21.7 lbf/in                             | 23.2 lbf/in                                  | 27.0 lbf/in                                                       | 28.5 lbf/in                                     | 31 lb f/in                   | 27.5 lbf/in                                             | 18.0 lbf                                                          | 35 lb f/in                                 |
| Elongation           | 315 %                        | 177 %                                   | 147 %                                        | 150 %                                                             | 199 %                                           | 315 %                        | 211 %                                                   | 169 %                                                             | 287 %                                      |
| Emissivity           | 0.90                         | 0.87                                    | 0.87                                         | 0.86                                                              | 0.86                                            | 0.90                         | 0.86                                                    | 0.86                                                              | 0.86                                       |
| Reflectivity         | 88 %                         | 82                                      | 84                                           | 86                                                                | 86                                              | 88 %                         | 80                                                      | 80                                                                | 86                                         |
| S R Index            | 111                          | 102                                     | 105                                          | 108                                                               | 108                                             | 111                          | 99                                                      | 99                                                                | 108                                        |