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### AC100+ Gold® Adhesive Anchoring System and ASTM C881 Requirements

The AC100+ Gold adhesive anchoring system meets the requirements of ASTM C 881 and AASHTO M235, Types I, II, IV and V, Grade 3, Classes A & B. The material test results in accordance with ASTM C881 are as follows:

| Test   | AC100+ Gold                     |                                 | Minimum requirements per<br>ASTM C881, Grade 3 |                   |
|--|---------------------------------|---------------------------------|--|-------------------|
|  | Tested at<br>32±2° F<br>Class A | Tested at<br>50±2° F<br>Class B |  |                   |
| Tensile Strength*, <i>psi</i><br>(ASTM D 638)<br>7 days        | 2,340                           | 2,185                           | Type I   | 5,000 psi         |
|  |                                 |                                 | Type II  | 2,000 psi         |
|  |                                 |                                 | Type IV  | 7,000 psi         |
|  |                                 |                                 | Type V   | 6,000 psi         |
| Compressive Yield Strength at 7 days, <i>psi</i><br>ASTM D 695 | 13,250                          | 10,750                          | Type I & V                                     | 8,000 psi         |
|  |                                 |                                 | Type II  | 5,000 psi         |
|  |                                 |                                 | Type IV  | 10,000 psi        |
| Compressive Modulus, <i>psi</i> (min)<br>ASTM D 695            | 250,000                         | 204,000                         | Type I & V                                     | 150,000 psi       |
|  |                                 |                                 | Type II  | 90,000 psi        |
|  |                                 |                                 | Type IV  | 200,000 psi       |
|  |                                 |                                 | Type III (max)                                 | 130,000 psi       |
| Water Absorption, %, 24 hrs.<br>ASTM D570                      | 0.19                            | 0.21                            | Types I through IV                             | max 1%            |
| Bond Strength, <i>psi</i><br>ASTM C 882                        | 1,490                           | 1,410                           | 2 days moist cure                              | 1,000 psi         |
|  | 1,880                           | 1,765                           | 14 days moist<br>cure                          | 1,500 psi         |
| Linear Coefficient of Shrinkage on cure, in/in<br>ASTM D2566   | 0.0031                          | 0.0036                          | Max 0.005 in/in                                |                   |
| Heat Deflection Temperature, °F (min), 7<br>days               | 182                             | 174                             | Types IV & V                                   | 120° F (50°<br>C) |
| Thermal Compatibility  | Passes                          | Passes                          | Type III                                       | Passes test       |
| Gel Time (minimum)   | 40                              | 30                              | 30 minutes                                     |                   |
| Elongation at Break, % min                                     | 2                               | 4                               | Types I, II, IV & V                            | 1%                |

\*Tensile strength not required for Grade 3

If there are any questions or if you require any additional information, please contact us.