

November 1, 2019

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 ASTM C881, Grade 3	
	Tested at 32±2° F Class A	Tested at 50±2° F Class B		
Tensile Strength*, <i>psi</i> (ASTM D 638) 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> 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) 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. ASTM D570	0.19	0.21	Types I through IV	max 1%
Bond Strength, <i>psi</i> ASTM C 882	1,490	1,410	2 days moist cure	1,000 psi
	1,880	1,765	14 days moist cure	1,500 psi
Linear Coefficient of Shrinkage on cure, in/in ASTM D2566	0.0031	0.0036	Max 0.005 in/in	
Heat Deflection Temperature, °F (min), 7 days	182	174	Types IV & V	120° F (50° 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.