



www.sdi.org

DAVID M. ATTANUCCI  
President  
ARTHUR J. ULLOM  
1st Vice President  
DOUGLAS L. ROBBINS  
2nd Vice President  
STEVEN A. ROEHRIG  
Managing Director

September 5, 2012

Mr. Andrew J. Park  
Manager, Sales Technical Services  
Epic Metals Corporation  
11 Talbot Avenue  
Rankin, PA 15104

Subject: Request for Interpretation of ANSI/SDI C-2011 Standard

Dear Mr. Park:

This is in reply to your letter dated July 16, 2012 in which you requested a formal interpretation of ANSI/SDI Standard C-2011 as follows:

QUESTION: Appendix 4, Section A4.3: May alternate equations for the modulus of elasticity ( $E_c$ ) contained in ACI 318 be used?

RESPONSE: Yes

EXPLANATION: The equation contained in this section of ANSI/SDI C-2011 is equivalent to the equation for  $E_c$  contained in Section 8.5 of ACI 318-08, with the difference being that the ACI equation is in units of pounds per square inch (psi), and the SDI equation is in units of kips per square inch (ksi). The difference in numerical answers is the result of round off in the conversion of the equations. The use of the equations for the modulus of elasticity of concrete found in ACI 318 therefore can be considered an acceptable equivalent. Other equations for the modulus of elasticity of concrete found in other consensus standards may also be acceptable.

Your request was processed in accordance with the SDI Standards Operating Procedures and the preceding is the formal interpretation of the ANSI/SDI C-2011 Standard.

Sincerely,

Steven A. Roehrig  
Managing Director