

November, 2023

Changes to ASTM A615 Tensile Strength Requirements

With the 2020 revision to the ASTM A615 specification (A615-20), the tensile strength requirements for A615 Grades 60 and 80 have been reduced to 80,000 psi and 100,000 psi, respectively. These are the same requirements as A706, therefore, since this change A706 material has met or exceeded all chemical and mechanical requirements for the respective size and grade of A615. Currently, Section 19.3.3.1 for both A615-22 and A706-22a indicate that bars that meet the requirements of A706 shall be considered as satisfying all requirements of the corresponding size and grade of A615.

Historically, bars marked with a 'W' are certified to meet A706 and bars marked with an 'S' meet A615. Bars marked with a 'W' and an 'S' are considered dual grade since they meet both A706 and A615. Since A706 rebar inherently meets the requirements of A615, all 'W' bar should also be accepted as dual grade.

Some producers may continue the practice of putting both letter markings on the bar, but this is no longer a requirement. If there are any questions regarding product, the best source for information will be the producing mill.

Contact CRSI at 847-517-1200 or info@crsi.org for any further information.