RUSTGUARD® DECKING SCREWS SPECIFICATIONS AND TEST RESULTS

1 SUBJECT
Sure Drive USA® Rustguard® Decking Bullets

2 DESCRIPTION
Rustguard® Decking Bullets are designed to be used in fastening wood to wood or to connect gypsum wallboards to light gauge cold-formed steel. These screws are manufactured from 1018-1022 high carbon steel and are available in various nominal shank diameters, ranging from #6 to #10, with nominal shank lengths of ¾" to 6". The screws are manufactured with either a Phillips or Square (Robertson®) recess and comply with ASTM C 1002-93 as Type S.

3 COATING
Rustguard® Decking Bullets feature an organic coating that is gray / silver in color. Rustguard® Decking Bullets have been tested by independent accredited laboratories to achieve a minimum 2500 hours salt spray test per ASTM B117. Further testing in 2004-2005 in ACQ™ and other copper-based treated lumber has yielded test results ranging from 1500 to 1700 hours while tested in contact with ACQ™ pressure treated lumber.

4 ICBO / ICC TESTING
Rustguard® Decking Bullets have been tested in compliance with ICBO ES Acceptance Criteria for Tapping Screw Fasteners (AC118) dated July 1996. ICBO Approval Number ER-5623.

5 ADDITIONAL TESTING
Rustguard® Decking Bullets described in this report comply with the 1997 Uniform Building Code™, subject to the following conditions:

a. Fasteners are installed in accordance with the manufacturer's instructions and this report.
b. Allowable shear and tension values comply with Table 1.
c. Allowable loads may be increased for duration of load, such as wind or earthquake forces, in accordance with Section 1612.3 of the code.

6 INSTALLATION
Rustguard® Decking Bullets are installed without pre-drilled holes and must be installed using a variable speed screw gun, set to not exceed 2,500 rpm. The screws must protrude through and beyond the steel or wood framing member at least three full threads. The minimum screw placement end or edge distance from gypsum wallboard is 3/8 inch (9.5mm).

TABLE 1 – TEST INFORMATION
RUSTGUARD® DECKING BULLETS BY SURE DRIVE USA®

Item	Ga./Length	T.P.I.	Torque Ft. lbs.	Wood Type	Pull Out Lbs.	Shear Lbs. Gypsum – Fir Stud	Gypsum Pull Through Lbs.
SD-RG	9 x 3”	8	5.5	2 x 4 Fir	535	184	64
				2 x 4 Redwood	310		
				1 x 3 Clear Pine	322		
				1” Plywood	302		
				¾” Particle Board	245		

Note: All test results were verified and updated by independent testing facilities in November 2004.