

March 19, 2025

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Subject: **Electrical Resistance of Dissipative Resilient Flooring**
ASTM F150 Testing
Project Name: Comparative Testing
TEC Project No.: 11-0908
TEC Laboratory No.: 25-459

Dear Ms. Murdock,

Testing Engineering and Consulting Services, Inc. (TEC Services) is an AASHTO R18 and Army Corp of Engineers accredited independent laboratory in compliance with ANSI/ISO/IEC Standard 17025:2005. TEC Services is pleased to present this report of testing on the six submitted 12" x 12" concrete slab specimens received in March of 2025. The specimens were provided by Prosoco representatives. The specimens were designated as Densikure, LS/CS, LS, Untreated, BDI, and Blended Densifier. This work was performed in accordance with our Service Agreement (TEC-PRO-11-0908). The test results presented only pertain to the samples tested.

The purpose of the testing was to evaluate the submitted specimens for electrical resistance in general accordance with ASTM F150-06 (2018) - *Standard Test Method for Electrical Resistance of Conductive and Static Dissipative Resilient Flooring*.

ASTM F150 - Electrical Resistance of Dissipative Resilient Flooring

All specimens were conditioned for a minimum of 24 hours at $73.4 \pm 1.8^{\circ}\text{F}$ and $50 \pm 5\%$ relative humidity, and were tested in the same environment. The apparatus used was a Self-Contained Resistance Meter capable of open circuit voltages of 100 VDC. The meter was placed on each specimen for a minimum of 15 seconds and allowed to stabilize before a reading was taken. The spacing distance between the external probes was 6 inches. Five readings were taken to establish an average resilience. Normally the spacing on the external probes is 36 inches. Seeing as this testing is comparative the spacing should be a moot point. The testing area for each specimen was determined to be 1.0 ft². Results for both internal and external probes are reported in Table 1.

Table 1 – ASTM F150 - Electrical Resistance – Using External Probes at 6 inch Spacing

Specimen ID	Test 1	Test 2	Test 3	Test 4	Test 5	Average	Rating
Untreated	$10^6\Omega$	$10^6\Omega$	$10^6\Omega$	$10^6\Omega$	$10^6\Omega$	$10^6\Omega$	Static Dissipative
LS/CS	$10^6\Omega$	$10^6\Omega$	$10^6\Omega$	$10^6\Omega$	$10^6\Omega$	$10^6\Omega$	Static Dissipative
BDI	$10^6\Omega$	$10^6\Omega$	$10^6\Omega$	$10^6\Omega$	$10^6\Omega$	$10^6\Omega$	Static Dissipative
Blended Densifier	$10^6\Omega$	$10^6\Omega$	$10^6\Omega$	$10^6\Omega$	$10^6\Omega$	$10^6\Omega$	Static Dissipative

We appreciate the opportunity to provide our services to you on this project. Please do not hesitate to contact us at your convenience if you have any questions about this report or if we may be of further assistance.

TESTING, ENGINEERING & CONSULTING SERVICES, INC.



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