

Client: Seo Kyung TSC Co. Purchase Order No.: N/A
 Project No.: 049594 Date of Service: 10/26/2004
 Repoprt No.: 901690
 Project: **AHP 242 Cast Aluminum Panel (2,000 lb. Design Load)**
 Identification: Uniform Load Test of Access Flooring Systems
 Test Method: CISCA Recommended Test Procedures

Uniform Load Test Method

In the Uniform Load Test Method, deflections were measured from the bottom of panel with dial indicators accurate to .001 inch. The dial indicators were located at center of panel and midpoint of one edge. Applied loads were measured utilizing a Revere 50 kip load cell calibrated on May 25, 2004.

One access floor panel was tested for uniform load. The panel was supported on rigid steel posts without stringers. Uniform load is applied utilizing a one square foot steel plate placed in the center of the panel through which a vertical load is applied.

In the Uniform Load Test Method and prior to testing, the panel was preloaded to the design load of 2000 lbs. The load was relaxed and the panel reloaded to 50 lbs. At 50 lbs. load the dial indicators were zeroed (referenced zero), and the panels were loaded to the equivalent of 250 and 350 lbs. per square foot. At each load, deflection was recorded and the average of the two dial indicators was recorded. Loading was then continued until the combined deflection measurements on the two indicators equaled 0.080" (0.040" average). The load was recorded and is reported as pounds per square foot. Results are given in the table below.

Uniform Load					
Deflection (in.) / (Lbs./Sq. ft.)					
Test No. 1		Test No. 2		Test No. 3	
Lbs./sq. ft.	Average Deflection	Lbs./sq. ft.	Average Deflection	Lbs./sq. ft.	Average Deflection
250	0.023	350	0.032	460	0.040

LIMITATIONS: The test results presented herein were prepared based upon the specific samples provided for testing. We assume no responsibility for variation in quality (composition, appearance, performance, etc.) or any other feature of similar subject matter provided by persons or conditions over which we have no control. Our letters and reports are for the exclusive use of the clients to whom they are addressed and shall not be reproduced except in full without the written approval of Rone Engineers, Ltd.