



6225 Kenway Drive
 Mississauga, ON L5T 2L3
 Telephone: 905-678-7820
 Facsimile: 905-678-7131
 www.intertek-etlsemko.com

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Mr. Richard Bergman
 President
 Titan Building Products (2049905 Ontario Inc.)

SUBJECT: Point Load Test Results on 4x4, 6x6 and 4x4 with Post Brace Anchors with regards to Intertek Test Reports 3195819TOR-003 & 3195819TOR-003b

Intertek Testing Services (Intertek) has conducted point load testing on a series of products for Titan Building Products (Titan). The products tested include 4x4 post anchors, 4x4 post anchors with a post brace, and 6x6 post anchors. Testing was conducted on three (3) samples of each type and the average maximum load achieved is reported below.

Testing was carried out on a simulated deck platform using joists spaced 16" on centre, a blocking piece and deck boards. A calibrated load cell was used in determining the maximum load achieved and was placed in-line between the post and a hydraulic ram used to apply the load. The posts were installed according to the manufacturer's instructions. The load was applied at 42" above the deck surface to one face of the post.

The 4x4 post anchors achieved an average maximum load at failure of 337 lbs. The mode of failure for these post anchors was the lag screws pulling out from the bottom of the wooden post. The 6x6 post anchors achieved an average maximum load at failure of 503 lbs. The mode of failure for these post anchors was the pan head screws pulling out from the deck boards. The 4x4 post anchors with post braces attached achieved an average maximum load at failure of 499 lbs. The mode of failure for these post anchors was that the pan head screws that attach the post anchor brace to the wooden post pulled out.

If there are any questions or concerns, please contact Robert Giona at (905)678-7820 x4247.

Sincerely,

INTERTEK TESTING SERVICES

Robert Giona
 Team Leader – Construction Products

Craig Lawson
 Area Operations Manager



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