

Fastener Attachment (Staples)

February 2013

Structa Wire approves the use of Staples with Structa products based upon fastener attachment testing performed by Intertek ETL Semko on Structalath No 17 SFCR II Lath in accordance with ICC-ES AC 191 Section 3.6.4 protocol.

The fasteners evaluated were a construction staple – No 16 gauge, one inch leg length and 7/8 inch crown. The attachment with these staple fasteners was evaluated in the following 3 fastening patterns:

- Staples at the midpoint on a horizontal **longitudinal** wire
- Staples at the **intersections** of vertical and horizontal wires
- Staples **on the vertical furring** device

The test results for each were:

Longitudinal wire: 208lbs

Intersection of wires: 153lbs

On furring: 270lbs

The minimum requirement per the standard is 100 lbs.

Therefore the Structalath SFCR II attachment with staples met the minimum requirement in all potential fastening locations.

As a result of these test results, Structa Wire Corp was issued ESR-2017 which allows fastening in all of these orientations with staples. The other requirement is that the fastening also complies with ASTM C1063. For example, if sheathing is incorporated, the fastener length must be increased to achieve penetration into the structural framing not less than 3/4" (Section 7.10.2.2).

If you require further information, please do not hesitate to reach out to us at 1-800-887-4708.