



# DECLARATION OF CONFORMITY

Certificate No. 0836 - CPD- 13/F031

- Manufacturer:** Instructures Limited - Registered No.5199293
- Address:** Unit 7a Gatehouse Trading Estate, Lichfield Road, Brownhills, Walsall WS8 6JZ
- Authority:** Mark Carter – Managing Director
- Definition:** Tiewire - the alternative tie bar is a prefabricated high-strength 6mm stainless steel wire rope with swaged stud end connectors captured by fabricated brackets that will be bolted to the customers' roof structure.
- Intended use:** Its use is generally as an alternative to traditional 3-way tie bars in conservatory roof systems but can also be used in traditional steel, aluminium or timber roof structures (see conditions below).
- Conformity:** The Tiewire product conforms to Annex ZA.3.3. of European Standard **BS EN 1090-1 : 2009 + A1 : 2011**, Attestation of Conformity System 2+.
- Characteristics:** The wire ropes mentioned shall correspond to BS MA 29:1982. The dimensions and tolerances for wire end connectors (swage studs and turnbuckles) shall correspond to the indications laid down in section 12.5 of the FPC Document 001. The dimensions and tolerances of brackets mentioned shall correspond to the indications laid down in section 12.3 of the FPC Document 001.
- Installation:** The installation should be carried out such that the wire rope end connectors are accessible for repair or maintenance at any time. The installation is only carried out in accordance with the installation instructions provided with each order and laid down in section 12.6 of the FPC Document 001.
- Design:** The Tiewire product as described is designed to deal with predominantly static loads. In general (for factory produced conservatory roof systems) the static load limit will be 15Kn whilst the ultimate load limit will be twice that at 30Kn. These figures are based on I.T.T. data found in Section 9 of the FPC Document 001 and available as a separate Structural Information Sheet.
- Conditions:** The requirements (positions and frequency) of ties in conservatory roofs are determined by the roof systems companies structural design guides. Should the product be specified in traditional or other construction (steel, aluminium or timber) then it is the customers' responsibility to assess its suitability from the test data results for Load bearing capacity as shown under Section 9 of this document. Methods and suitability of fixings to the roof structure are the responsibility of the customer.

**Authority Signature:**

**Date of Issue: 8th January 2015**

