

**DECLARATION OF PERFORMANCE**

DoP ref. no: TCSS501306011



|                      |   |
|----------------------|---|
| Name of manufacturer | Teco Building Products<br>Wellington Road, Portslade, Brighton, BN41 1DN          |
| Product type         | Teco Single Sided Tooth Plate Connectors 50mm                                     |
| Intended use         | Structural connection of overlapping timber to timber or steel to timber members. |
| System of AVCP       | 2+  |
| Harmonised standard  | <b>EN 14545:2008</b>  |

Teco is an ISO9001 registered firm audited by QMS International plc.  
 Structural Consultants C4Ci Ltd.  
 Factory Production Control assessed and audited by BM TRADA CE Scheme for Construction Products Notified Body No.1224  
 Certificate Number: 1224-CPR-0335

**Type C7 acc. to EN 912:2011**

**Material:** Grade DX51D Mild Steel to EN 10346

| <u>Product Code</u> | <u>Diameter (d<sub>c</sub>)</u> | <u>Bolt Size</u> |
|---------------------|---------------------------------|------------------|
| <b>TCSS 50</b>      | 50mm                            | M12              |
| <b>TCSS 50M10</b>   | 50mm                            | M10              |
| <b>TCSS 50M16</b>   | 50mm                            | M16              |



| Declared Performance             | Performance  | Harmonised technical specification |
|----------------------------------|--|------------------------------------|
| <i>Essential characteristics</i> |  |                                    |
| <b>Mechanical strength</b>       | Characteristic load bearing capacity:<br>$R_{c,k} = 6363N$ (acc. to EN13271 eq 6)<br>(Note - An additional load bearing capacity $R_{b,0,k}$ may be calculated for the bolt in accordance with EN1995-1-1) | <b>EN 14545:2008</b>               |
| <b>Mechanical stiffness</b>      | Slip modulus:<br>$k_s = 5250N/mm$ (acc. to EN13271 eq 8)<br>using $\rho_k = 350kg/m^3 = C24$ timber)   |                                    |
| <b>Durability</b>                | Z275 Hot dip zinc coating<br>(Service Class 2 acc. to EN1995-1-1)  |                                    |

The performance of the product identified is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Rhonda Backwell  
 Director

15/10/2018 Brighton