DECLARATION OF PERFORMANCE
N° HARDWOOD 01A EN

LR ETANCO SAS
Parc les Erables – Bât 1 – 66 route de Sartrouville – BP 49 – 78231 LE PECQ Cedex – France
Tel. : +33 (0)1 34 80 52 00 – Fax : +33 (0)1 30 71 01 89
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1. Unique identification code of the product-type :

HARD WOOD TC

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

Identification of product « HARD WOOD TC/Tx ZBJ – Ø x L »: see packaging of the product

3. Indented use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

Generic type and intended use of the product	**Fixing for the assembly of wood elements with cylindric head, diameters Ø6 and Ø8.**
For use in	**Timber construction**
Service class	**1 and 2 according EN 1995-1-1**
Loading	**For structural applications**
Material	**Case hardened steel with heat treatment, Yellow zinc plated ≥ 8 µm according to EN ISO 4042**
Fire class	**A1 according to EN 13501-1 for metal screw**

4. Name, registred trade name or registred trade mark and contract address of the manufacturer as required pursuant to Article 11(5):

LR ETANCO
66 route de Sartrouville – BP49
78231 Le Pecq Cedex
France

5. Where applicable name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12 (2):

Not relevant

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3

7. In case of the declaration of performance concerning a construction product covered by a harmonized standard:

S.Z.U. notified body n°1404 issued the certificate J-30-20304-11 on the basis of EN 14592:2009.

8. In case of the declaration of performance concerning a construction product for which European Technical Assessment has been issued:

Not relevant

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9. Declared Performances:

Essential characteristics – EN 14592:2009			Performance	
Installation parameters			**Ø6**	**Ø8**
d_h	Head diameter	[mm]	8	11,5
d_i	Inner thread diameter	[mm]	4	5,2
L	Screw length	[mm]	80 to 380	
Mechanical characteristics				
$M_{y,k}$	Characteristic yield moment	[Nmm]	11954	27210
$f_{ax,k}$	Characteristic withdrawal parameter (ρ_k = 450 kg/m^3)	[N/mm²]	18,59	18,11
$f_{head,k}$	Characteristic head pull-trough parameter (ρ_k = 500 kg/m^3)	[N/mm²]	31,10	42,23
$f_{tens,k}$	Characteristic tensile capacity	[kN]	10,54	26,33
$f_{tor,k}/R_{tor,k}$	Characteristic ratio torsional (ρ_k = 450 kg/m^3)	[-]	2,87	5,64
Design method Eurocode 5 EN 1995-1-1:2008 – §.8.7				

We inform you that LR ETANCO is classified in the EC 1907/2006 Reach Directive as a Downstream-user of substances. The product supplied does not contain substances classified as SVHC according to the Candidate List in a concentration equal or greater than 0.1% (weight / weight). Article 31 is not applicable to the present product.

10. The performance of the product identified in points 1 and 2 is in conformity with declared performance in the point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and behalf of the manufacturer by:

Benoit Cheramy Product Manager	Le Pecq – France, 2013-12-09	