

COACHSCREW
DECLARATION OF PERFORMANCE

TIMBERMATE®
SCREWS FOR WOOD



HARRISON & CLOUGH LTD

Harrison & Clough Ltd.
P.O. Box 9, Keighley,
West Yorkshire,
BD21 4EG.

DECLARATION OF PERFORMANCE

No. HCCE160106

- 1.) Unique identification code of the product type: **TIMBERMATE WOODSCREWS** in the following sizes
6mm from 25mm - 100mm, 8 mm from 30mm - 150mm
10 mm from 30mm - 200mm and 12 mm from 50mm - 200mm
- 2.) Type batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):
HEXAGON COACHSCREWS Z0133T
- 3.) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification as foreseen by the manufacturer:
SCREWS FOR STRUCTURAL TIMBER APPLICATIONS AS PER BS EN 14592:2008
- 4.) Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant
TIMBERMATE HARRISON & CLOUGH LTD, PO. BOX 9 HARCLO ROAD, AIREWORTH ROAD, KEIGHLEY, BD21 4EG, ENGLAND
- 5.) System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:
SYSTEM 3
- 6.) In case of the declaration of performance concerning a construction product covered by a harmonised standard:
BS EN 14592:2008
NOTIFIED BODY ISTITUTO GIORDANO S.P.A. ITALY NUMBER NB 0407
THE MANUFACTURER SHALL CARRY OUT FACTORY PRODUCTION CONTROL:
THE NOTIFIED TESTING LABORATORY SHALL CARRY OUT DETERMINATION OF THE PRODUCT-TYPE ON THE BASIS OF TYPE TESTING (BASED ON SAMPLING CARRIED OUT BY THE MANUFACTURER). TYPE CALCULATION, TABULATED VALUES OR DESCRIPTIVE DOCUMENTATION OF THE PRODUCT.
Under **SYSTEM 3** and issued **CERTIFICATE OF CONFORMITY No. 64104/1939/C**

Reports: 6 mm 323415/9052/CPR, 8 mm 323416/9053/CPR, 10 mm 323413/9050/CPR, 12 mm 323414/9051/CPR

- 7.) Declared performance for Essential Characteristics to NE 14592:2008+A1:2012

Essential characteristics		Unit	6 mm	8 mm	10 mm	12 mm
Material			Q195 (C1008) Carbon Steel			
Characteristic yield moment in thread section	My,k	N/mm ²	8,864	16,385	35,511	68,889
Characteristic withdrawal parameter, in timber loading across the fibre	fax,k	N/mm ²	12	9.2	10.2	8.5
	Pk	Kg/m ³	403	403	403	403
Characteristic head pull-through parameter, in timber	fhead,k	N/mm ²	32.2	42.5	34.6	29.3
	Pk	Kg/m ³	403	403	403	403
Characteristic tensile capacity	ftens,k	Kn	8.83	13.8	23.04	36.53
Characteristic torsional ratio (pre-drilled holes to half screw diameter)			2	2.56	2.46	2.88
	Pk	Kg/m ³	403	403	403	403
Durability (Corrosion Protection) Zinc coating, mean coating thickness 3 - 5 microns (ISO 4042) Service Class 1 Acc. To EN1995-1-1						
8.) Safety in case of fire	EUROCLASS A1			EN 13501-1		

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

DENNIS WHITAKER

QUALITY & TECHNICAL MANAGER

(name and function)

KEIGHLEY 29th April 2016

(place and date of issue)

(signature)

Hexagon Coach Screws Dimensional data

Dimensions		Unit	6mm	8mm	10mm	12mm
Head A/F Dimensions	Min	mm	9.64	12.57	16.57	18.48
	Max	mm	10.00	13.00	17.00	19.00
Inner Thread Diameter	Min	mm	3.72	5.12	6.42	8.42
	Max	mm	4.20	5.60	7.00	9.00
Thread Length	≥ 0.6L					