

# **FX2 TWIN-FAST WOODSCREW**

## **DECLARATION OF PERFORMANCE**

**TIMBERMATE®**  
SCREWS FOR **WOOD**

## DECLARATION OF PERFORMANCE

No. HCCE130001

- 1.) Unique identification code of the product type: **TIMBERMATE WOODSCREWS**
- 2.) Type batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):  
**4G TWIN THREAD WOODSCREWS 0042T / 0049T / 0104T / 0106T / 0117T**
- 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 to Annex V:  
**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 ZAG - ZAVOD ZA GRADBENISTVO SLOVENIJE NUMBER 1404**  
**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 report No. P 1059/12-630-1 and certificate C 1988**
- 7.) Declared performance

Essential characteristics	Performance	Harmonised technical specification
Characteristic yield moment,	<b><math>M_{y,k} = 1,410 \text{ Nm}</math></b>	<b>BS EN 14592:2008</b>
Characteristic withdrawal parameter, in timber with characteristic density $\rho_k = 484 \text{ Kg/m}^3$	<b><math>f_{ax,k} = 19.41 \text{ N/mm}^2</math></b>	<b>BS EN 14592:2008</b>
Characteristic head pull-through parameter, in timber with characteristic density $\rho_k = 312 \text{ Kg/m}^3$	<b><math>f_{head,k} = 44.10 \text{ N/mm}^2</math></b>	<b>BS EN 14592:2008</b>
Characteristic tensile capacity,	<b><math>f_{tens,k} = 3.14 \text{ kN}</math></b>	<b>BS EN 14592:2008</b>
Characteristic torsional ratio,	<b>5.18</b>	<b>BS EN 14592:2008</b>
Durability ( Corrosion Protection )	<b>Zinc coating, mean coating thickness 3 - 5 microns ( ISO 4042 ) Service Class 1 Acc. To EN1995-1-1</b>	
Safety in case of fire	<b>EUROCLASS A1</b>	<b>EN 13501-1</b>

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:

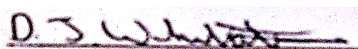
DENNIS WHITAKER

( name and function )

QUALITY & TECHNICAL MANAGER

KEIGHLEY 30th JANUARY 2013

(place and date of issue)



( signature )

## DECLARATION OF PERFORMANCE

No. HCCE130002

- 1.) Unique identification code of the product type: **TIMBERMATE WOODSCREWS**
- 2.) Type batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):  
**5G TWIN THREAD WOODSCREWS 0042T / 0104T / 0106T / 0117T**
- 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 to Annex V:  
**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 ZAG - ZAVOD ZA GRADBENISTVO SLOVENIJE NUMBER 1404**  
**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 report No. P 1059/12-630-1 and certificate C 1988**
- 7.) Declared performance

Essential characteristics	Performance	Harmonised technical specification
Characteristic yield moment,	$M_{y,k} = 2,039 \text{ Nm}$	<b>BS EN 14592:2008</b>
Characteristic withdrawal parameter, in timber with characteristic density $\rho_k = 484 \text{ Kg/m}^3$	$f_{ax,k} = 15.42 \text{ N/mm}^2$	<b>BS EN 14592:2008</b>
Characteristic head pull-through parameter, in timber with characteristic density $\rho_k = 312 \text{ Kg/m}^3$	$f_{head,k} = 23.59 \text{ N/mm}^2$	<b>BS EN 14592:2008</b>
Characteristic tensile capacity,	$f_{tens,k} = 3.33 \text{ kN}$	<b>BS EN 14592:2008</b>
Characteristic torsional ratio,	<b>7.46</b>	<b>BS EN 14592:2008</b>
Durability ( Corrosion Protection )	Zinc coating, mean coating thickness 3 - 5 microns ( ISO 4042 ) Service Class 1 Acc. To EN1995-1-1	
Safety in case of fire	<b>EUROCLASS A1</b>	<b>EN 13501-1</b>

- 8.) The performance of the products identified in points 1 and 2 is in conformity with the declared performance in point 7.

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:

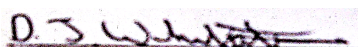
DENNIS WHITAKER

( name and function)

KEIGHLEY 30th JANUARY 2013

(place and date of issue)

QUALITY & TECHNICAL MANAGER



( signature)

## DECLARATION OF PERFORMANCE

No. HCCE130003

- 1.) Unique identification code of the product type: **TIMBERMATE WOODSCREWS**
- 2.) Type batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):  
**6G TWIN THREAD WOODSCREWS 0042T / 0104T / 0106T / 0117T**
- 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 ZAG - ZAVOD ZA GRADBENISTVO SLOVENIJE NUMBER 1404**  
**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 report No. P 1059/12-630-1 and certificate C 1988**
- 7.) Declared performance

Essential characteristics	Performance	Harmonised technical specification
Characteristic yield moment,	$M_{y,k} = 2,703 \text{ Nm}$	<b>BS EN 14592:2008</b>
Characteristic withdrawal parameter, in timber with characteristic density $\rho_k = 537 \text{ Kg/m}^3$	$f_{ax,k} = 21.00 \text{ N/mm}^2$	<b>BS EN 14592:2008</b>
Characteristic head pull-through parameter, in timber with characteristic density $\rho_k = 332 \text{ Kg/m}^3$	$f_{head,k} = 22.12 \text{ N/mm}^2$	<b>BS EN 14592:2008</b>
Characteristic tensile capacity,	$f_{tens,k} = 3.93 \text{ kN}$	<b>BS EN 14592:2008</b>
Characteristic torsional ratio,	<b>3.61</b>	<b>BS EN 14592:2008</b>
Durability ( Corrosion Protection )	<b>Zinc coating, mean coating thickness 3 - 5 microns ( ISO 4042 )</b>	<b>Service Class 1 Acc. To EN1995-1-1</b>
Safety in case of fire	<b>EUROCLASS A1</b>	<b>EN 13501-1</b>

- 8.) The performance of the products identified in points 1 and 2 is in conformity with the declared performance in point 7.

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

( name and function)

KEIGHLEY 30th JANUARY 2013

(place and date of issue)

QUALITY & TECHNICAL MANAGER



( signature)

## DECLARATION OF PERFORMANCE

No. HCCE130004

- 1.) Unique identification code of the product type: **TIMBERMATE WOODSCREWS**
- 2.) Type batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):  
**7G TWIN THREAD WOODSCREWS 0042T / 0104T / 0106T / 0117T**
- 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 to Annex V:  
**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 ZAG - ZAVOD ZA GRADBENISTVO SLOVENIJE NUMBER 1404**  
**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 report No. P 1059/12-630-1 and certificate C 1988**
- 7.) Declared performance

Essential characteristics	Performance	Harmonised technical specification
Characteristic yield moment,	$M_{y,k} = 2,420 \text{ Nm}$	<b>BS EN 14592:2008</b>
Characteristic withdrawal parameter, in timber with characteristic density $\rho_k = 480 \text{ Kg/m}^3$	$f_{ax,k} = 21.03 \text{ N/mm}^2$	<b>BS EN 14592:2008</b>
Characteristic head pull-through parameter, in timber with characteristic density $\rho_k = 515 \text{ Kg/m}^3$	$f_{head,k} = 40.81 \text{ N/mm}^2$	<b>BS EN 14592:2008</b>
Characteristic tensile capacity,	$f_{tens,k} = 4.20 \text{ kN}$	<b>BS EN 14592:2008</b>
Characteristic torsional ratio,	<b>3.68</b>	<b>BS EN 14592:2008</b>
Durability ( Corrosion Protection )	<b>Zinc coating, mean coating thickness 3 - 5 microns ( ISO 4042 ) Service Class 1 Acc. To EN1995-1-1</b>	
Safety in case of fire	<b>EUROCLASS A1</b>	<b>EN 13501-1</b>

- 8.) The performance of the products identified in points 1 and 2 is in conformity with the declared performance in point 7.

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:

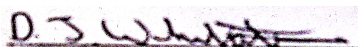
DENNIS WHITAKER

( name and function )

QUALITY & TECHNICAL MANAGER

KEIGHLEY 30th JANUARY 2013

(place and date of issue)



( signature )

## DECLARATION OF PERFORMANCE

No. HCCE130005

- 1.) Unique identification code of the product type: **TIMBERMATE WOODSCREWS**
- 2.) Type batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):  
**8G TWIN THREAD WOODSCREWS 0042T / 0104T / 0106T / 0117T**
- 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 to Annex V:  
**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 ZAG - ZAVOD ZA GRADBENISTVO SLOVENIJE NUMBER 1404**  
**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 report No. P 1059/12-630-1 and certificate C 1988**
- 7.) Declared performance

Essential characteristics	Performance	Harmonised technical specification
Characteristic yield moment,	<b>My,k = 3,707 Nm</b>	<b>BS EN 14592:2008</b>
Characteristic withdrawal parameter, in timber with characteristic density $\rho_k = 557 \text{ Kg/m}^3$	<b>f<sub>ax,k</sub> = 16.03 N/mm<sup>2</sup></b>	<b>BS EN 14592:2008</b>
Characteristic head pull-through parameter, in timber with characteristic density $\rho_k = 408 \text{ Kg/m}^3$	<b>f<sub>head,k</sub> = 23.40 N/mm<sup>2</sup></b>	<b>BS EN 14592:2008</b>
Characteristic tensile capacity,	<b>f<sub>tens,k</sub> = 7.08 kN</b>	<b>BS EN 14592:2008</b>
Characteristic torsional ratio,	<b>3.84</b>	<b>BS EN 14592:2008</b>
Durability ( Corrosion Protection )	<b>Zinc coating, mean coating thickness 3 - 5 microns ( ISO 4042 ) Service Class 1 Acc. To EN1995-1-1</b>	
Safety in case of fire	<b>EUROCLASS A1</b>	<b>EN 13501-1</b>

- 8.) The performance of the products identified in points 1 and 2 is in conformity with the declared performance in point 7.

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

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( name and function )

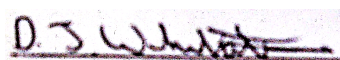
KEIGHLEY 30th JANUARY 2013

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(place and date of issue)

QUALITY & TECHNICAL MANAGER

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## DECLARATION OF PERFORMANCE

No. HCCE130006

- 1.) Unique identification code of the product type: **TIMBERMATE WOODSCREWS**
- 2.) Type batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):  
**10G TWIN THREAD WOODSCREWS 0042T / 0104T / 0106T / 0117T**
- 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 to Annex V:  
**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 ZAG - ZAVOD ZA GRADBENISTVO SLOVENIJE NUMBER 1404**  
**THE MANUFACTURER SHALL CARRY OUT FACTORY PRODUCTION CONTROL:**  
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**Under SYSTEM 3 and issued report No. P 1059/12-630-1 and certificate C 1988**
- 7.) Declared performance

Essential characteristics	Performance	Harmonised technical specification
Characteristic yield moment,	$M_{y,k} = 5,329 \text{ Nm}$	<b>BS EN 14592:2008</b>
Characteristic withdrawal parameter, in timber with characteristic density $\rho_k = 484 \text{ Kg/m}^3$	$f_{ax,k} = 12.99 \text{ N/mm}^2$	<b>BS EN 14592:2008</b>
Characteristic head pull-through parameter, in timber with characteristic density $\rho_k = 409 \text{ Kg/m}^3$	$f_{head,k} = 39.91 \text{ N/mm}^2$	<b>BS EN 14592:2008</b>
Characteristic tensile capacity,	$f_{tens,k} = 8.49 \text{ kN}$	<b>BS EN 14592:2008</b>
Characteristic torsional ratio,	<b>8.33</b>	<b>BS EN 14592:2008</b>
Durability ( Corrosion Protection )	<b>Zinc coating, mean coating thickness 3 - 5 microns ( ISO 4042 ) Service Class 1 Acc. To EN1995-1-1</b>	
Safety in case of fire	<b>EUROCLASS A1</b>	<b>EN 13501-1</b>

- 8.) The performance of the products identified in points 1 and 2 is in conformity with the declared performance in point 7.

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

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( name and function )

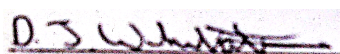
KEIGHLEY 30th JANUARY 2013

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(place and date of issue)

QUALITY & TECHNICAL MANAGER

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( signature )

## DECLARATION OF PERFORMANCE

No. HCCE130007

- 1.) Unique identification code of the product type: **TIMBERMATE WOODSCREWS**
- 2.) Type batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):  
**12G TWIN THREAD WOODSCREWS 0042T / 0104T / 0106T / 0117T**
- 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 to Annex V:  
**TIMBERMATE HARRISON & CLOUGH LTD, PO. BOX 9 HARCLO ROAD, AIREWORTH ROAD, KEIGHLEY, BD21 4EG, ENGLAND**
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**Under SYSTEM 3 and issued report No. P 1059/12-630-1 and certificate C 1988**
- 7.) Declared performance

Essential characteristics	Performance	Harmonised technical specification
Characteristic yield moment,	$M_{y,k} = 10,316 \text{ Nm}$	<b>BS EN 14592:2008</b>
Characteristic withdrawal parameter, in timber with characteristic density $\rho_k = 572 \text{ Kg/m}^3$	$f_{ax,k} = 14.74 \text{ N/mm}^2$	<b>BS EN 14592:2008</b>
Characteristic head pull-through parameter, in timber with characteristic density $\rho_k = 415 \text{ Kg/m}^3$	$f_{head,k} = 23.06 \text{ N/mm}^2$	<b>BS EN 14592:2008</b>
Characteristic tensile capacity,	$f_{tens,k} = 12.21 \text{ kN}$	<b>BS EN 14592:2008</b>
Characteristic torsional ratio,	<b>3.85</b>	<b>BS EN 14592:2008</b>
Durability ( Corrosion Protection )	<b>Zinc coating, mean coating thickness 3 - 5 microns ( ISO 4042 ) Service Class 1 Acc. To EN1995-1-1</b>	
Safety in case of fire	<b>EUROCLASS A1</b>	<b>EN 13501-1</b>

- 8.) The performance of the products identified in points 1 and 2 is in conformity with the declared performance in point 7.

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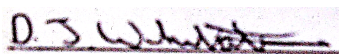
KEIGHLEY 30th JANUARY 2013

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(place and date of issue)

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( signature)