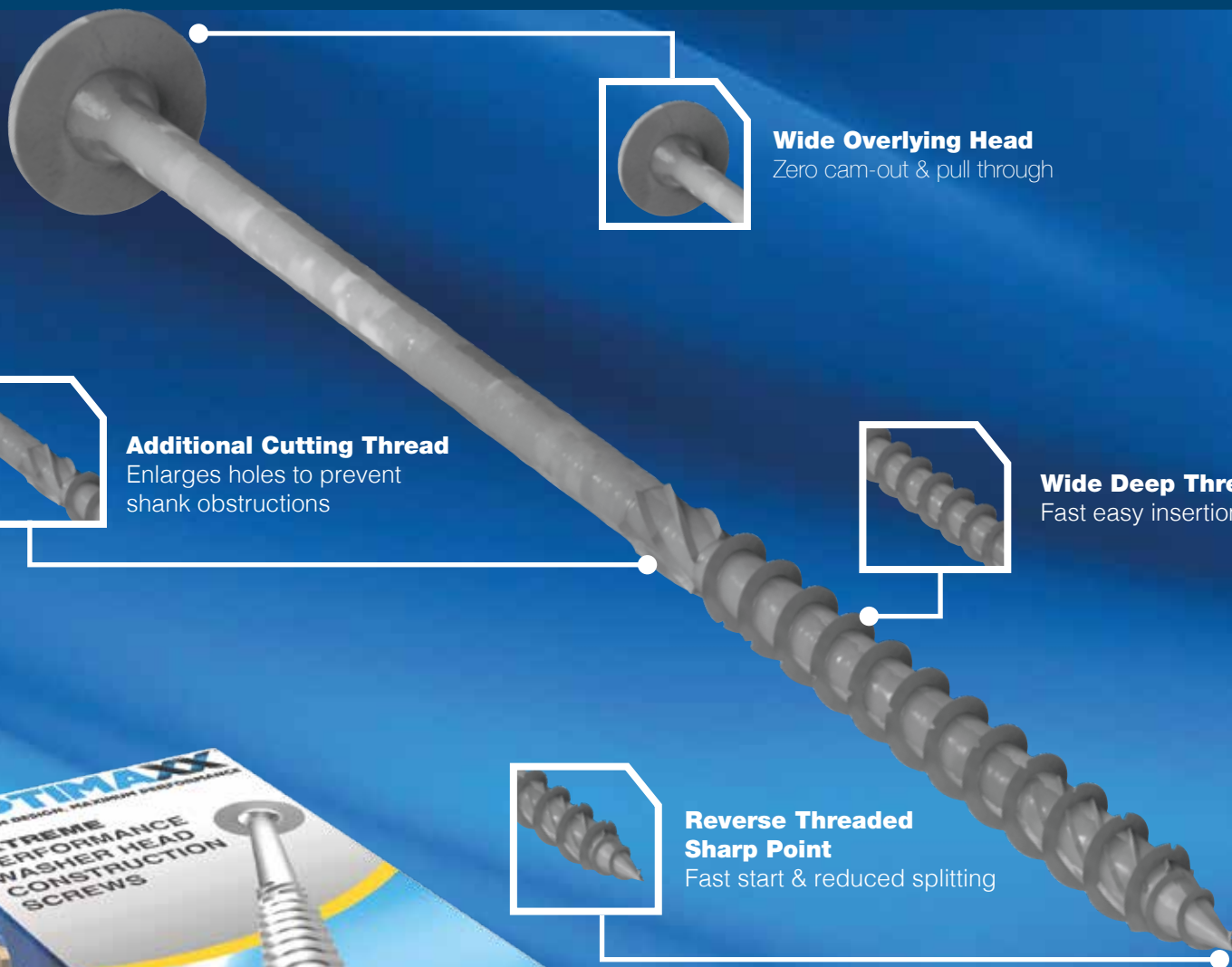


OPTIMAXX[®]

OPTIMUM DESIGN, MAXIMUM PERFORMANCE

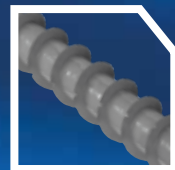
CE DECLARATION OF PERFORMANCE



Wide Overlying Head
Zero cam-out & pull through



Additional Cutting Thread
Enlarges holes to prevent shank obstructions



Wide Deep Thread
Fast easy insertion



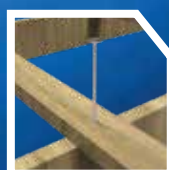
Reverse Threaded Sharp Point
Fast start & reduced splitting



Landscaping
Timber sleeper fixing



Structural Timber
Floor joist fixing



Roofing
Batten/counter-batten fixing



Lofts
Insulation panels into timber

WASHER HEAD CONSTRUCTION SCREWS

DECLARATION OF PERFORMANCE

in accordance with the Construction Products Regulations

Release: 001



Product Type: Optimaxx Extreme Performance Washer Head Construction Screws 6-8mm Diameter

Identification: Carbon Steel

Intended Use: Self-tapping screws for use in timber constructions

**Manufacturer/
Importer:** ROYD
Saxon House,
23 Springfield Lyons Approach,
Springfield,
Chelmsford,
CM2 5LB

**Notified
Testing Body:
for ITT**

Deutsches Institut
für Bautechnik
Kolonnenstr. 30 B,
10829 Berlin
Tel: +49 30/78730 200
www.dibt.de

Tested To: EAD 130118-00-0603

TECHNICAL PARAMETERS

Parameter	Unit	Value	
Thread outer diameter	d_w [mm]	6	8
Thread inner diameter	d_1 [mm]	3,9	5,4
Smooth part diameter	d_s [mm]	4,3	5,8
Head diameter	D_w [mm]	14	21
Head area	A [mm ²]	154	346
Length range	L_w [mm]	50-300	40-400
Drive type	-	TX-30	TX-40
Screw material	-	carbon steel	
Corrosion protection	galvanized	$\geq 5 \mu\text{m}$	
	ceramic coating SQ	$\geq 8 \mu\text{m}$	
Corrosivity category	galvanized	C1/C2	
	ceramic coating SQ	C3	
Substrate material	wood	$\geq \text{C24}$	

STRENGTH PARAMETERS

Parameter	Unit	C600	C800
Material characteristic yield strength	$M_{y,k}$ [Nm]	10,0	25,0
Characteristic pull-out resistance	$f_{ax,k,90}$ [N/mm ²]	12,0	12,0
Characteristic resistance to head pull-through	$f_{head,k}$ [N/mm ²]	9,4	9,4
Characteristic resistance for tension	$f_{tens,k}$ [kN]	13,0	25,0
Characteristic torsional strength	$f_{tor,k}$ [Nm]	10,0	27,0

ROYD No. 10345480

DECLARATION OF PERFORMANCE

in accordance with the Construction Products Regulations

Release: 001



DECLARATION OF PERFORMANCE

OPTIMAXX EXTREME PERFORMANCE WASHER HEAD CONSTRUCTION SCREWS 6.0mm & 8.0MM

Have been tested by the following independent testing organisation:

Notified Testing Body

Deutsches Institut für Bautechnik

And that they have performed initial type testing under system 3, Annex V of the regulation (EU) no. 305/2011 (Construction Products Regulation), with the reference to the harmonised European standard. EAD 130118-00-0603 "Screws for timber constructions"

This declaration of conformity is valid until there is a significant change in the product and declared characteristics. i.e. raw material or change in production process.

OPTIMAXX EXTREME PERFORMANCE WASHER HEAD CONSTRUCTION SCREWS

Diameter 6.0mm & 8.0mm

Signed By:

A handwritten signature in black ink, appearing to be 'N. Shimwell', written over a light blue background.

Name: Norman Shimwell

Position: Sales Director

Release Date: 12/03/2021

Test Date: 12/07/2017

Saxon House, 23 Springfield Lyons Approach, Springfield, Chelmsford CM2 5LB
Reg: 10345480

ROYD No. 10345480