

# OPTIMAXX<sup>®</sup>

OPTIMUM DESIGN, MAXIMUM PERFORMANCE

UK  
CA

## DECLARATION OF PERFORMANCE

**Torx Drive**  
Maximum torque transfer

**Cylindrical Head**  
Barely visible entry hole

**Stainless Steel**  
Lifetime exterior

**Arrow Shaped Point**  
Fast start & minimizes risk of splintering

**Top Thread**  
Clamps boards to joist

**Timber Decking**

**Composite Decking**

**Hardwood Decking**

STAINLESS STEEL DECKING SCREW

# DECLARATION OF PERFORMANCE

in accordance with the Construction Products Regulations

Release: 001



**Product Type:** Optimaxx Extreme Performance Stainless Steel Decking Screws 4.8 mm Diameter

**Material:** Stainless steel A2-70, passivated, wax

**Specifications:** Coarse thread, arrow point

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

**Notified  
Testing Body:  
for ITT**

Strojírenský zkušební  
ústav, s.p.  
Hudcova 424/56b  
621 00 Brno  
Czech Republic  
Tel: +420 541 120 111  
www.szutest.cz

**Tested To:** EN 14592:2008+A1:2012

## TECHNICAL PARAMETERS

Product	Characteristic yield moment $M_{y,k}$ [Nmm]	Characteristic withdrawal parameter $f_{ax,k}$ [N/mm <sup>2</sup> ]		Characteristic head pull-through parameter $f_{head,k}$ [N/mm <sup>2</sup> ]	Characteristic tensile capacity $f_{tens,k}$ [kN]	Characteristic torsional ratio
-	-	perpendicular to the grain	parallel to the grain	-	-	-
Decking Screw Ø 4,8mm	2 219	15,03	10,06	35,89	4,26	1,54
Characteristic density of wood $P_k$ [kg/m <sup>3</sup> ]	-	350		350	-	450
Durability (i.e. corrosion protection)	stainless steel A2-70 (Service Class 3 acc. to EN 1995-1-1)					

ROYD No. 10345480

# DECLARATION OF PERFORMANCE

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## DECLARATION OF PERFORMANCE

### OPTIMAXX EXTREME PERFORMANCE STAINLESS STEEL DECKING SCREWS 4.8 MM

Have been tested by the following independent testing organisation:

Notified Testing Body

Strojírenský zkušební ústav, s.p.

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. EN 14592:2008+A1:2012 "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 STAINLESS STEEL DECKING SCREWS

Diameter 4.8 mm

**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:** 12/04/2021

**Test Date:** 31/03/2021

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

ROYD No. 10345480