



TWI Certification Ltd

Granta Park, Great Abington, Cambridge CB21 6AL . UK

Certificate of Conformity of the Factory Production Control

A UKAS accredited certification body No.2400-CPR-20160038

In compliance with the Construction Products Regulation 2011 (retained EU law EUR 305/2011) as amended by the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc.) (EU Exit) Regulations 2020 this certificate applies to the construction product(s)

Structural steel

placed on the market under the name or trade mark of:

***Responsive Engineering Ltd
Armstrong Works
Scotswood Road
Newcastle upon Tyne
NE15 6UX***

***and produced in the manufacturing plant(s)
Newcastle upon Tyne***

is submitted by the manufacturer to the initial type-testing of the product, a factory production control and to the further testing of samples taken at the factory in accordance with the prescribed test plan and that the approved body No. 2400 TWI Certification Ltd has performed the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard *EN 1090-1:2009+A1: 2011* under AVCP system 2+ and method of declaration Method 3b is applied and that the factory production control is assessed to be in conformity with the applicable requirements. This certificate was first issued on 03 March 2016 and will remain valid until 28 February 2025 as long as neither the harmonised standard, the construction products, the AVCP methods, nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the approved factory production control certification body.

First Issue Date: 03/03/2016
Current Issue Date: 08/08/2023
Date of Expiry: 28/02/2025


Emma Freckingham
Head of Company Certification

The validity of the certificate may be confirmed at the web address: www.twicertification.com



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Granta Park, Great Abington. Cambridge CB21 6AJ. UK

Schedule for 2400-CPR-20160038

This Schedule is an Annex to the Certificate of conformity 2+ of the UK Factory Production Control (FPC) 2400-CPR-20160038 in compliance with EN1090-1:2009 Annex B – Table B.1. It is hereby stated that

Responsive Engineering Ltd

Armstrong Works

Scotswood Road

Newcastle upon Tyne

NE15 6UX

Covers Execution Class EXC 3 under

EN 1090-1 & EN 1090-2 with the following welding processes according to EN ISO 4063:

Welding process (ISO 4063)	Parent material groups (CEN ISO/TR 15608)	Thickness range butt welds	Thickness range fillet welds	Remarks
MMA (111)	Group 1	3mm – 20mm	≥ 5mm	Multi-layer filler welds
SAW (121)		20mm – 80mm		
MAG (135)		3mm – 24mm	3mm – 24mm	
FCAW (136)		3mm – 160mm		

Holing	Material	Thickness Range	Diameter ranges
Drill	Group 1	30mm – 40mm	40mm – 70mm
Plasma		8mm – 50mm	20mm – 60mm
Laser		6mm – 25mm	≥ 5mm
Waterjet		20mm – 50mm	

Cutting Methods	Material	Thickness Range
Shearing	Group 1	≤ 6mm
Waterjet		20mm – 50mm
Plasma		8mm – 50mm
Laser		6mm – 25mm
Oxy-Fuel		50mm – 100mm

Under the responsibility of the Welding Coordinator:

Kenneth Simpson, European / International Welding Engineer, for EXC3

Peter Milligan, CSWIP 3.1 Welding Inspector, PCN II MT, for EXC3

Steven Long BSc, European / International Welding Technologist, CSWIP 3.0 Visual Welding Inspector, for EXC3

(Quality according to EN ISO 3834 – 2, welding coordination according to EN ISO 14731). This is the welding certificate referred to in EN 1090-1, Annex B, Table B.1).

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