



Declaration of Performance

No. DP4

Pre-painted Prosigma+Eaves Beam Section Range 180 to 210 x 2.0

Type: Cold formed steel items in accordance with component specification "Sizes and Dimensions" for Pre-Painted Eaves Beams specified at <http://steel.ie/purlins/prosigma-eaves-beams/> and EN1090-4:2018

Intended use/s: Structural metallic construction components intended for use in steel structures or composite steel and concrete structures where the components can be made from hot rolled, cold-formed or with other technologies produced sections/profiles with various shapes, flat products (plates, sheet, strip), bars, castings, forgings made of steel materials.

Manufacturer: Duggan Profiles and Steel Service Centre Ltd.
Dublin Road,
Kilkenny,
Ireland

System of assessment and verification of constancy of performance: System 2+

Notified Body: NSAI
1 Swift Square
Northwood Business Park
Santry
Dublin 9.

Notified Body No: 0050

NSAI has performed (i) initial inspection of the manufacturing plant and factory product control and (ii) continuous surveillance, assessment and evaluation of factory production control and issued Factory Production Control certificate 0050-CPR-0894.



Essential characteristics	Performance ¹	Harmonised technical specification
Tolerances on dimensions and shape	EN1090-4:2018 and EN 10162	EN 1090-1: 2009 + A1: 2011
Weldability	S390 manufactured in accordance with EN 10346	EN 1090-1: 2009 + A1: 2011
Fracture toughness/impact resistance	NPD	EN 1090-1: 2009 + A1: 2011
Load bearing capacity	Design according to EN1993-1-3. Refer to http://steel.ie/purlins/prosigma-eaves-beams/ for load tables	EN 1090-1: 2009 + A1: 2011
Fatigue strength	NPD	EN 1090-1: 2009 + A1: 2011
Resistance to fire	NPD	EN 1090-1: 2009 + A1: 2011
Reaction to fire	Class A1 – Steel only, Paint – NPD	EN 1090-1: 2009 + A1: 2011
Release of cadmium and its compounds	NPD	EN 1090-1: 2009 + A1: 2011
Radioactivity	NPD	EN 1090-1: 2009 + A1: 2011
Durability	Organic coated steel to EN 10169	EN 1090-1: 2009 + A1: 2011

¹ These characteristics should be interpreted in accordance with the Component Specification

The performance of the product identified above is in conformity with the declared performance identified in the table.

Signed for and on behalf of Duggan Profiles and Steel Service Centre Ltd. by:

James Flavin – General Manager

11/10/2021

Date of issue

(Signature)