

## DECLARATION OF PERFORMANCE

(according to regulation EU No 305/2011)

Section/Bars S275J2

Sections/Bars S275J2 / 1.0145 according EN 10025-2

To be used in-welded, bolted and riveted structures

Head Office: ParkerSteel Limited

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Kent CT1 1HD

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Website: www.parkersteel.co.uk

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UKCA Marking Notified Body (No. 2273)

Steel Construction Certification Scheme

4 Whitehall Court, Westminster

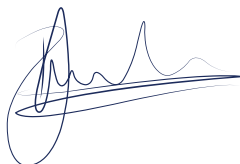
London, SW1A 2ES

Tel: 020 7839 8566

Website: www.steelconstruction.org

System of assesment and verification of constancy of performance of the product:  
System 2+

Steel Construction Certificate Scheme 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 2273-CPR-0025



Dylan Alexander  
Managing Director  
ParkerSteel Limited

Date:  
December 2022

| Essential Characteristic  | Performance                    |     | Harmonised Technical Specification         |       |
|---|--------------------------------|-----|--|-------|
|   |                                |     |  |       |
| Tolerance on dimensions and shape   | Angles                         |     | EN10056-2                                  |       |
|   | I and H sections               |     | EN 10034                                   |       |
|   | Tapered Flange I               |     | EN 10024                                   |       |
|   | UPE, UPN                       |     | EN 10279                                   |       |
|   | Flat / Square / Round / T bars |     | EN 10058 / EN 10059<br>EN 10060 / EN 10055 |       |
| Yield strength  | Nominal thickness (mm)         |     | Values Min (MPa)                           |       |
|   | >                              | ≤   |  |       |
|   | -                              | 16  | 275  |       |
|   | 16                             | 40  | 265  |       |
|   | 40                             | 63  | 255  |       |
|   | 63                             | 80  | 245  |       |
| Tensile strength  | Nominal thickness (mm)         |     | Values Min (MPa)                           |       |
|   | >                              | ≤   | min  | max   |
|   | =3                             | 100 | 410  | 560   |
|   | 100                            | 140 | 400  | 540   |
|   | Nominal thickness (mm)         |     | Values Min (%)                             |       |
|   | >                              | ≤   |  |       |
| Elongation  | Nominal thickness (mm)         |     | Values Min (%)                             |       |
|   | >                              | ≤   |  |       |
|   | =3                             | 40  | 23   |       |
|   | 40                             | 63  | 22   |       |
|   | 63                             | 100 | 21   |       |
|   | 100                            | 140 | 19   |       |
| Impact strength   | Nominal thickness (mm)         |     | Values (J)                                 |       |
|   | >                              | ≤   | min  |       |
|   |                                | 140 | 27J @ +20°C                                |       |
| Weldability   | Nominal thickness (mm)         |     | Values Max (%)                             |       |
|   | >                              | ≤   |  |       |
|   | -                              | 30  | 0,40                                       |       |
|   | 30                             | 40  | 0,40                                       |       |
|   | 40                             | 140 | 0,42                                       |       |
| Durability  | Nominal thickness (mm)         |     | Values Max (%)                             |       |
|   | >                              | ≤   |  |       |
|   |                                | 140 | C*:  | 0,18  |
|   |                                |     | Mn:  | 1,50  |
|   |                                |     | P:   | 0,030 |
|   |                                |     | S:   | 0,030 |
|   |                                |     | N**:                                       | 0,012 |
|   |                                | Cu: | 0,55                                       |       |
| *For nominal thickness >100mm: C content upon agreement   |                                |     |  |       |
| ** The max value for nitrogen does not apply if the chemical composition shows a minimum total AL content of 0,020% or if sufficient other N binding elements are present |                                |     |  |       |

EN10025-1 2004



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EN 10025-1 - 2004  
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Elongation:  
Tensile Strength:  
Yield Strength: EN10025-2  
Impact Strength:  
Weldability:  
Durability:  
Dangerous Substances: No Performance Determined