

## DECLARATION OF PERFORMANCE

(according to regulation EU No 305/2011)

No. Strip S355J0

**Strip S355J0 / 1.0553 according EN 10025-2**

To be used in-welded, bolted and riveted structures

**Head Office: ParkerSteel Limited**  
**Vauxhall Road, Canterbury**  
**Kent CT1 1HD**

Tel: 01227 783333

Website: www.parkersteel.co.uk

View DOP: www.parkersteel.co.uk/dop

**UKCA Marking Notified Body (No. 2273)**

Steel Construction Certification Scheme

4 Whitehall Court, Westminster

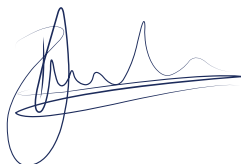
London, SW1A 2ES

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) intial  
 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 and Welding  
 Certificate 2273-CPR-0025-WC.



**Dylan Alexander**  
 Managing Director  
 ParkerSteel Limited

Date:  
 December 2023

| Essential Characteristic          | Performance                    |      | Harmonised Technical Specification |             |
|-----------------------------------|--------------------------------|------|------------------------------------|-------------|
| Tolerance on dimensions and shape | Dimensions                     |      | EN 10051                           |             |
| Yield strength (transverse)       | Nominal thickness (mm)         |      | Values Min (MPa)                   |             |
|                                   | >                              | <    |                                    |             |
|                                   | -                              | 16   | 355                                |             |
| Tensile strength (transverse)     | Nominal thickness (mm)         |      | Values Min (MPa)                   |             |
|                                   | >                              | <=   | min                                | max         |
|                                   | -                              | 16   | 510                                | 680         |
|                                   | 3                              | 16   | 470                                | 630         |
| Elongation (transverse)           | Nominal thickness (mm)         |      | Values Min (% , 80mm)              |             |
|                                   | >                              | <=   |                                    |             |
|                                   |                                | 1    | 14                                 |             |
|                                   | 1                              | 1.5  | 15                                 |             |
|                                   |                                | 1.5  | 16                                 |             |
|                                   | 2                              | 2.5  | 17                                 |             |
|                                   |                                | 2.5  | 18                                 |             |
|                                   | Nominal thickness (mm)         |      | Values Min (% , 5.65√so)           |             |
|                                   | 3                              | 16   | 22                                 |             |
|                                   | Impact strength (longitudinal) | JR   |                                    | 27J @ +20°C |
| Weldability CEV                   | Nominal thickness (mm)         |      | Values Max (%)                     |             |
|                                   | >                              | <=   |                                    |             |
|                                   | -                              | 16   | 0.45                               |             |
| Durability                        | Nominal thickness (mm)         |      | Values Max (%)                     |             |
|                                   | -                              | <=16 | C:                                 | 0,20        |
|                                   |                                |      | Si:                                | 0,55        |
|                                   |                                |      | Mn:                                | 1,60        |
|                                   |                                |      | P:                                 | 0,030       |
|                                   |                                |      | S:                                 | 0,030       |
|                                   |                                |      | N:                                 | 0,012       |
|                                   |                                |      | Cu:                                | 0,55        |

EN10025-1 2004

# UK CA

2273

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 Kent  
 CT1 1HD

Strip S355J0

EN 10025-1 - 2004  
 Strip S355J0 / 1.0553  
 To be used in-welded, bolted and riveted structures  
 Tolerances on dimensions : Strip EN10051

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