Declaration of Performance

(according to Construction Product Regulation (EU Exit) 2020 No 1359)

No. Plate S355JR

Plate S355JR / 1.0045 according EN 10025-2

To be used in Metal Structures and Composite Metal and Concrete Structures

Liberty Steel Dalzell Limited

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UK Conformity Assessment Body LRQA Verification Limited, 1 Trinity Park Bickenhill Lane, Birmingham B37 7ES Tel: +44 (0)330 414 1351 Website: www.lrqa.com

System of assessment and verification of constancy of performance of the product System 2+

Factory production control assessment body No. 0038 performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control

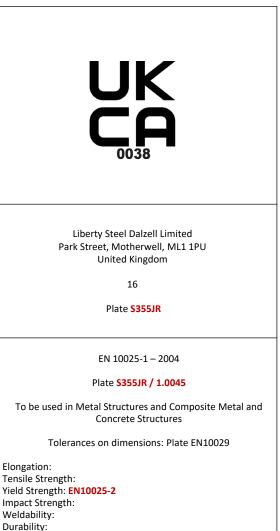
Signed for and behalf of Liberty Steel Dalzell Ltd;

Name: Kenny McLeary Title: Technical Manager

K Mchean Sign: Date: 04/02/22



| Essential Characteristic | Performance | | | | Harmonised Technical Specification |
|-----------------------------------|---|-------------|----------------------------|-----|--|
| Tolerances on | Thickness | | EN 10029 | | |
| dimensions & shape | Flatness | | EN 10029 | | |
| | Nominal Thickness (mm) | | Values Min (Mpa) | | |
| | > | <= | values will (wpa) | | |
| | - | 16 | 355 | | |
| Yield strength | 16 | 40 | 345 325 | | |
| (transverse) | 40 | 63 | | | |
| | 63 | 80 | 325 | | |
| | 80 | 100 | 315 | | |
| | 100 | 150 | 295 | | |
| | Nominal Thie | ckness (mm) | Values (Mpa) | | |
| Tensile strength | > | <= | Min | Max | |
| (transverse) | 5 | 100 | 470 | 630 | |
| | 100 | 150 | 450 | 600 | |
| | Nominal Thickness (mm) Values Min (%, 5.65√so) | | | | |
| | > | <= | values mill (70, 0.00 (30) | | |
| Elongation | 5 | 40 | 20 19 18 | | EN10025-1 2004 |
| (transverse) | 40 | 63 | | | |
| | 63 | 100 | | | |
| | 100 | 150 | 18 | | |
| Impact strength (longitudinal) | JR | | 27J at + 20°C | | |
| | Nominal Thickness (mm) | | Values Max (%) | | |
| | > | <= | Values Max (%) | | |
| Weldability CEV | - | 30 | 0.45 | | |
| | 30 | 40 | 0.47 | | |
| | 40 | 150 | 0.47 | | |
| | Nominal Thickness (mm) | | Values Max (%) | | |
| Durability | - | 150 | C: 0.24 | | |
| | | | Si: 0.55 | | |
| | | | Mn: 1.60 | | |
| | | | P: 0.035 | | |
| | | | S: 0.035 | | |
| | | | N: 0.012 | | |
| | | | Cu: 0.55 | | |



Dangerous Substances: No Performance Determined