

**DECLARATION OF PERFORMANCE**  
 (according to regulation EU No 305/2011)  
 No. Plate S275JR  
**Plate S275JR/1.0045 according EN 10025-2**  
 To be used in-welding, bolted and riveted structures

Harbex Metal Processing Ltd  
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 Sheerness, Kent ME12 1AU  
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**CE Marking Notified Body (No. 7805321)**  
 BSI Assurance UK Ltd  
 389 Chiswick High Road,  
 London W4 4AL  
 Tel: 0845 080 9000

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

BSI 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 0086-CPR-621405 and profiling activities up to and including EXC3 as defined in EN1090-02

John Hartridge                      Date:  
 Managing Director              16th December 2014  
 Harbex Metal Processing Ltd

| Essential Characteristic          | Performance            |     | Harmonised Technical Specification |       |
|-----------------------------------|------------------------|-----|------------------------------------|-------|
| Tolerance on dimensions and shape | Thickness              |     | EN10029                            |       |
|                                   | Flatness               |     | EN10029                            |       |
| Yield Strength (transverse)       | Nominal thickness (mm) |     | Values Min (Mpa)                   |       |
|                                   | >                      | <=  |                                    |       |
|                                   | -                      |     | 16                                 | 355   |
|                                   | 16                     | 40  |                                    | 345   |
|                                   | 40                     | 63  |                                    | 325   |
|                                   | 63                     | 80  |                                    | 325   |
|                                   | 80                     | 100 |                                    | 315   |
|                                   | 100                    | 150 |                                    | 295   |
| Tensile strength (transverse)     | Nominal thickness (mm) |     | Values Min (Mpa)                   |       |
|                                   | >                      | <=  | min                                | max   |
|                                   | 5                      | 100 | 470                                | 630   |
|                                   | 100                    | 150 | 450                                | 600   |
| Elongation (transverse)           | Nominal thickness (mm) |     | Values Min (% 5.65Iso)             |       |
|                                   | >                      | <=  |                                    |       |
|                                   | 5                      | 40  | 20                                 |       |
|                                   | 40                     | 63  | 19                                 |       |
|                                   | 63                     | 100 | 18                                 |       |
|                                   | 100                    | 150 | 18                                 |       |
| Impact strength (longitudinal)    | JR                     |     | 27J @ +20°C                        |       |
|                                   | JO                     |     | 27J @ - 0°C                        |       |
|                                   | J2                     |     | 27J @ 20°C                         |       |
| Weldability CEV                   | Nominal thickness (mm) |     | Value Max (%)                      |       |
|                                   | ≥                      | ≤   |                                    |       |
|                                   | -                      | 30  | 0.45                               |       |
|                                   | 30                     | 40  | 0.47                               |       |
|                                   | 40                     | 150 | 0.47                               |       |
| Durability                        | Nominal thickness (mm) |     | Value Max (%)                      |       |
|                                   | -                      | 150 | C:                                 | 0.24  |
|                                   |                        |     | Si:                                | 0.55  |
|                                   |                        |     | Mn:                                | 1.60  |
|                                   |                        |     | P:                                 | 0.035 |
|                                   |                        |     | S:                                 | 0.035 |
|                                   |                        |     | N:                                 | 0.012 |
|                                   |                        | Cu: | 0.55                               |       |



FPC CERT NO: 0086-CPR+621405

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Plate S275JR

EN10025-1 2004

EN 10025-1 - 2004  
 Plate S275JR / 1.0045

To be used in-welded, bolted and riveted structures  
 Tolerances on dimensions : Plate EN10029

Elongation:  
 Tensile Strength:  
 Yield Strength: EN10025-2  
 Impact Strength:  
 Weldability:  
 Durability:  
 Dangerous Substance: Non Performance Determined