

No AMEB-2/01-CPR-13-1

1) Code of the product type: \$235JR

According EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

ArcelorMittal Belval and Differdange S.A Site of Esch-Belval
 Boulevard Charles de Gaulle
L-4008 Esch-sur-Alzette (G.D. of Luxembourg)
 Tel: +352 5820 2870
 sections.arcelormittal.com

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

System 2+

Notified factory production control certification body No. 0038 Lloyd's Register 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.

The performance of the product identified in point 1 is in conformity with the declared performance in the table. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Christophe Houyoux

Quality Manager

Date: 1.12.2021



| Essential characteristic | | Perfo | Performance | | |
|----------------------------------|------------------------|------------|-------------------------------------|----------------------|-----------------|
| | l | _ | EN 10056-2 | | |
| ľ | I/H | | EN | 10034 | 1 |
| Tolerances on | I | | EN | 10024 | |
| dimensions and | U | | EN | 10279 |] |
| shape | -/=/ | O/T | EN 10058/EN 10059/EN 10060/EN 10056 | | |
| | Nominal thic | kness (mm) | Value | s (MPa) | |
| ļ. | > | ≤ | r | min | 1 |
| ľ | | 16 | | 235 | 1 |
| Yield strength | 16 | 40 | | 225 | 1 |
| | 40 | 63 | | 215 | 1 |
| } | 63 | 80 | | 215 | - |
| - | | | | 215 | 1 |
| - | 80 | 100 | | | _ |
| <u> </u> | 100 | 140 | | 195 | - |
| | Nominal thic | kness (mm) | Value | s (MPa) | 1 |
| | > | ≤ | min | max | 1 |
| [| =3 | 100 | 360 | 510 | 1 |
| Tensile strength | 100 | 140 | 350 | 500 | 1 |
| Ī | | | | | 1 |
| | | | | | |
| | Nominal thickness (mm) | | Valu | ies (%) | EN 10025-1:2004 |
| | > | ≤ | min | | 1 |
| | =3 | 40 | 26 | | 1 |
| Elongation | 40 | 63 | | 25 | |
| | 63 | 100 | | 24 | |
| | 100 | 140 | | 22 | |
| | Nominal thic | kness (mm) | Valu | ıes (J) | _ |
| Impact strength | | ` ' | min | | 4 |
| | > | ≤ 140 | | nin ′ 20°C | 4 |
| | | • | | | 1 |
| | Nominal thic | kness (mm) | Valu | Values (%) | |
| | > | ≤ | n | nax | 1 |
| Weldability | | 30 | 0 |),35 | |
| Ť | 30 | 40 | 0 |),35 | |
| | 40 | 140 | 0 | ,38 | |
| | | | | | _ |
| urability Nominal thickness (mm) | | kness (mm) | Valu | es (%) | |
| (Chemical | > | ≤ | min | max | |
| composition) | | 140 | | C: 0,17-0,20 | |
| | | | | Mn : 1,40 | |
| | | | | P: 0,040 | |
| | | 1 | 1 | Cu: 0,55 | |
| | | | | S: 0,040 N: 0,012 | |
| | | 1 | 1 | IN: 0.012 | 1 |



No AMEB-2/02-CPR-13-1

1) Code of the product type: \$235J0

According EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

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

System 2+

Notified factory production control certification body No. 0038 Lloyd's Register 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.

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Christophe Houyoux

Quality Manager

Date: 1.12.2021



| Essential characteristic | | Perfor | Performance | | |
|--------------------------|------------------------|------------|-------------------------------------|----------------------|-----------------|
| | L | | EN 10056-2 | | |
| ľ | I/H | | EN 1 | 10034 | 1 |
| Tolerances on | | | EN 1 | 10024 | |
| dimensions and | U | | EN 1 | 10279 | |
| shape | -/0/ | O/T | EN 10058/EN 10059/EN 10060/EN 10056 | | |
| | Nominal thic | kness (mm) | Values | s (MPa) | _ |
| ļ. | > | ≤ | m | nin | |
| ľ | | 16 | | 35 | 1 |
| Yield strength | 16 | 40 | | 25 | |
| | 40 | 63 | | 15 | |
| ŀ | 63 | 80 | | 15 | - |
| - | | | _ | 15 | 4 |
| - | 80 | 100 | | | |
| <u> </u> | 100 | 140 | ı | 95 | 1 |
| | Nominal thic | kness (mm) | Values | s (MPa) | |
| ŀ | > | ≤ | min | max | 1 |
| | =3 | 100 | 360 | 510 | 1 |
| Tensile strength | 100 | 140 | 350 | 500 | |
| ľ | | | | | 1 |
| - | | | | | |
| | Nominal thickness (mm) | | Value | es (%) | EN 10025-1:2004 |
| | > ≤ | | m | nin | 1 |
| | =3 | 40 | 26 | | |
| Elongation | 40 | 63 | 2 | 25 | 1 |
| | 63 | 100 | 2 | 24 | |
| | 100 | 140 | 2 | 22 | |
| | | | | | |
| Impact strength | Nominal thic | kness (mm) | Valu | es (J) | |
| impact strength | > | ≤ | | nin |] |
| | | 140 | 27 / | / 0°C | |
| | Nominal thic | kness (mm) | Value | Values (%) | |
| Ī | > | ≤ | m | nax | |
| Weldability | | 30 | 0, | ,35 | |
| , i | 30 | 40 | 0, | ,35 | |
| | 40 | 140 | 0, | ,38 |] |
| | Name in al Aleia | l | Value | (0/) | - |
| Durability | Nominal thic | kness (mm) | | es (%) | |
| (Chemical | > | ≤ | min | max | |
| composition) | | 140 | | C: 0,17 | |
| | | 1 | | Mn : 1,40 | |
| | | 1 | | P: 0,035 | |
| | | | | Cu: 0,55 | |
| | | | | S: 0,035 N: 0,012 | |
| | | I | | | 1 |



No AMEB-2/03-CPR-13-1

1) Code of the product type: \$235J2

According EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

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

System 2+

Notified factory production control certification body No. 0038 Lloyd's Register 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.

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Christophe Houyoux

Quality Manager

Date: 1.12.2021



| Essential characteristic | | Perfor | Performance | | |
|--------------------------|------------------------|------------|--------------------|-------------------------|-----------------|
| | L | | EN 10056-2 | | |
| | I/H | | | EN 10034 | |
| Tolerances on | | | EN 1 | | |
| dimensions and | l | J | EN 1 | 0279 | |
| shape | - /□/ | O/T | EN 10058/EN 10059/ | EN 10060/EN 10056 | |
| | Nominal thic | kness (mm) | Values | (MPa) | 1 |
| | > | ≤ | m | in | |
| | | 16 | 23 | 35 | |
| Yield strength | 16 | 40 | 22 | 25 | |
| | 40 | 63 | 21 | | |
| | 63 | 80 | 21 | | |
| <u> </u> | 80 | 100 | 21 | | |
| - | 100 | 140 | 19 | | |
| | | | | - | |
| | Nominal thic | kness (mm) | Values | (MPa) | |
| Tensile strength | > | ≤ | min | max | |
| | =3 | 100 | 360 | 510 | |
| | 100 | 140 | 350 | 500 | |
| L | | | | | |
| - | | | | | 1 |
| | Nominal thickness (mm) | | Value | s (%) | EN 10025-1:2004 |
| | > | ≤ | min | | |
| Elongation | =3 | 40 | 2 | | |
| Liongation | 40 | 63 | 2 | | |
| _ | 63 | 100 | 2 | | |
| - | 100 | 140 | 2 | 2 | |
| | Nominal thic | kness (mm) | Value | es (J) | 1 |
| Impact strength | > | ≤ | m | in | |
| | | 140 | 27 / - | 20°C | |
| | Nominal thic | kness (mm) | Value | s (%) | |
| | > | ≤ | ma | | |
| Weldability | | 30 | 0,3 | | |
| L | 30 | 40 | 0,3 | | |
| - | 40 | 140 | 0,3 | 38 | |
| Durability | Nominal thic | kness (mm) | Value | s (%) | † |
| (Chemical | | | | . , | - |
| composition) | > | ≤ 140 | min | max C: 0,17 | + |
| oomposition) | | 140 | | C : 0,17 Mn : 1,40 | |
| | | 1 | | Nin : 1,40 P : 0.030 | |
| | | 1 | | Cu: 0,55 | |
| | | 1 | | S: 0,030 | |
| | | 1 | | | |
| | | | | | |



No AMEB-2/04-CPR-13-1

1) Code of the product type: \$275JR

According EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

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

System 2+

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Christophe Houyoux

Quality Manager

Date: 1.12.2021



| Essential characteristic | | Perfor | Performance | | |
|--------------------------|------------------------|-------------|-------------------------------------|--------------|-----------------|
| | l | _ | EN 10 | 0056-2 | |
| | I/H | | | EN 10034 | |
| Tolerances on | | | | 10024 | |
| dimensions and | l | J | EN 1 | 10279 | |
| shape | - /□/ | O/T | EN 10058/EN 10059/EN 10060/EN 10056 | | |
| | Nominal thic | ckness (mm) | Values | s (MPa) | |
| Ī | > | ≤ | min | | 1 |
| | | 16 | 2 | 75 | 1 |
| Yield strength | 16 | 40 | 2 | 65 | 1 |
| | 40 | 63 | | 55 | |
| <u> </u> | 63 | 80 | | 45 | 1 |
| <u> </u> | 80 | 100 | | 35 | 1 |
| F | 100 | 140 | | 25 | 1 |
| Ī | | | | | 1 |
| | Nominal thic | kness (mm) | Values | s (MPa) | |
| Tensile strength | > | ≤ | min | max | |
| | =3 | 100 | 410 | 560 | <u> </u> |
| rensile strength | 100 | 140 | 400 | 540 | |
| _ | | | | | 4 |
| | | | | | 1 |
| | Nominal thickness (mm) | | Value | es (%) | EN 10025-1:2004 |
| | > | ≤ | min | | |
| Elongation | =3 | 40 | | 23 | |
| Liongation | 40 | 63 | | 22 | |
| _ | 63 | 100 | | 21 | 4 |
| - | 100 | 140 | 1 | 19 | |
| Impact strength | Nominal thic | kness (mm) | Valu | es (J) | 1 |
| impact strength | > | ≤ | | nin | |
| | | 140 | 27 / | 20°C | |
| | Nominal thic | ckness (mm) | Value | es (%) | |
| | > | ≤ | | nax | |
| Weldability | | 30 | | ,40 | |
| | 30 | 40 | | ,40 | |
| - | 40 | 140 | 0, | ,42 | 4 |
| Durability | Nominal thic | kness (mm) | Value | es (%) | |
| | > | ` , | min | max | 4 |
| (Chemical composition) | | 140 | 111111 | C: 0,21-0,22 | 1 |
| | | 140 | | Mn : 1,50 | |
| | | | | P: 0,040 | |
| | | 1 | | Cu: 0,55 | |
| | | | | S: 0,040 | |
| | | 1 | | N: 0,012 | |
| | | | | | |



No AMEB-2/05-CPR-13-1

1) Code of the product type: \$275J0

According EN 10025-2

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To be used in welded, bolted and riveted structures

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

System 2+

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Christophe Houyoux

Quality Manager

Date: 1.12.2021



| Essential characteristic | | Perfor | mance | Harmonised technical specification | |
|--------------------------|------------------------|------------|-------------------|------------------------------------|-----------------|
| | L | | EN 10056-2 | | |
| | I/H | | | 0034 | |
| Tolerances on | l | | | 0024 | |
| dimensions and | U | J | EN 1 | 0279 | 4 |
| shape | -/□/O/T | | EN 10058/EN 10059 | /EN 10060/EN 10056 | |
| | Nominal thic | kness (mm) | Values | з (МРа) | 1 |
| | > | ≤ | m | in | |
| · | | 16 | 27 | 75 | |
| l l | 16 | 40 | 26 | 65 | |
| Yield strength | 40 | 63 | | 55 | 1 |
| , | 63 | 80 | | 45 | 1 |
| , F | 80 | 100 | | 35 | 1 |
| F | 100 | 140 | | 25 | |
| ļ · | 100 | 140 | | | |
| | Nominal thic | kness (mm) | Values | з (МРа) | 1 |
| | > | ≤ | min | max | |
| Tamaila atmamath | =3 | 100 | 410 | 560 | |
| Tensile strength | 100 | 140 | 400 | 540 | |
| | | | | | |
| - | | | | | 1 |
| | Nominal thickness (mm) | | Value | es (%) | EN 10025-1:2004 |
| | > | ≤ | min | | |
| Elongation | =3 | 40 | | 3 | |
| Liongation | 40 | 63 | | 2 | |
| <u> </u> | 63 | 100 | | <u>!1</u> | 4 |
| | 100 | 140 | 1 | 9 | - |
| Inches of a town with | Nominal thic | kness (mm) | Value | es (J) | 1 |
| Impact strength | > | ≤ | m | in | |
| | | 140 | 27 / | 0°C | |
| <u> </u> | Nominal thic | | | es (%) |] |
| | > | ≤ | | ax | |
| Weldability | | 30 | | 40 | |
| | 30 | 40 | , | 40 | |
| - | 40 | 140 | 0, | 42 | |
| Durability | Nominal thic | kness (mm) | Value | es (%) | 1 |
| _ | | | | | |
| (Chemical composition) | > | ≤ | min | max | |
| composition) | | 140 | | C: 0,18 | |
| | | | | Mn : 1,50 P : 0,035 | |
| | | | | Cu: 0,55 | |
| | | | | S: 0,035 | |
| | | | 1 | N: 0,012 | |
| | | | | | |



No AMEB-2/06-CPR-13-1

1) Code of the product type: \$275J2

According EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

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

System 2+

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Christophe Houyoux

Quality Manager

Date: 1.12.2021



| Essential characteristic | | Perfo | Performance | | |
|--------------------------|------------------------|------------|-------------------|---------------------|-----------------|
| | L | | EN 10056-2 | | specification |
| Ī | I/H | | EN 10034 | | 1 |
| Tolerances on | | | | 10024 | |
| dimensions and | U | | EN ' | 10279 | |
| shape | - /□/ | O/T | EN 10058/EN 10059 |)/EN 10060/EN 10056 | |
| | Nominal thic | kness (mm) | Value | s (MPa) | 1 |
| | > | ≤ | min | | |
| Ī | | 16 | | 75 | 1 |
| <u> </u> | 16 | 40 | | 65 | 1 |
| Yield strength | 40 | 63 | | 55 | - |
| F | 63 | 80 | | 45 | - |
| F | 80 | 100 | | 35 | - |
| - | 100 | 140 | | 25 | 4 |
| F | 100 | 140 | | 20 | - |
| | Nominal thic | kness (mm) | Value | s (MPa) | |
| | > | ≤ | min | max | 1 |
| [| =3 | 100 | 410 | 560 | 1 |
| Tensile strength | 100 | 140 | 400 | 540 | 1 |
| | | | | | 1 |
| | | | | | |
| | Nominal thickness (mm) | | Value | es (%) | EN 10025-1:2004 |
| | > | ≤ | n | min | |
| | =3 | 40 | 23 | | 1 |
| Elongation | 40 | 63 | 2 | 22 | |
| | 63 | 100 | 2 | 21 | |
| _ | 100 | 140 | • | 19 | _ |
| | Nominal thic | kness (mm) | Valu | es (J) | 1 |
| Impact strength | | · , | min | | _ |
| F | > | 140 | | -20°C | - |
| | Nominal thic | • | 1 | es (%) | |
| - | | | | | 4 |
| | > | ≤ | | nax | _ |
| Weldability | 20 | 30 | | 40 | _ |
| - | 30 40 | 40 140 | | ,40 ,42 | 4 |
| F | 40 | 140 | 0, | ,42 | - |
| Durability | Nominal thic | kness (mm) | Values (%) | | |
| (Chemical | > | ≤ | min | max | 1 |
| composition) | - | 140 | | C: 0,18 | 1 |
| . , | | 1 | | Mn : 1,50 | |
| | | | | P: 0,030 | |
| | | | | Cu: 0,55 | |
| | | 1 | | S: 0,030 | |
| | | 1 | | | |
| | | | | | [|



No AMEB-2/07-CPR-13-1

1) Code of the product type: \$355JR

According EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

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System 2+

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Christophe Houyoux

Quality Manager

Date: 1.12.2021



| Esse | ntial characteristi | c | Perfor | mance | Harmonised technical specification |
|------------------|---------------------------------------|------------|-------------------|--------------------|------------------------------------|
| | L | | EN 10056-2 | | - |
| | I/H | | EN 1 | 0034 | |
| Tolerances on | I | | | 0024 | |
| dimensions and | Ĺ | J | EN 1 | 0279 | |
| shape | -/=/ | O/T | EN 10058/EN 10059 | /EN 10060/EN 10056 | |
| | Nominal thic | kness (mm) | Values | (MPa) | 1 |
| | > | ≤ | m | in | 1 |
| | | 16 | 39 | 55 | |
| | 16 | 40 | 3.0 | 45 | |
| Yield strength | 40 | 63 | | 35 | 1 |
| - | 63 | 80 | | 25 | 1 |
| - | 80 | 100 | | <u> </u> | 1 |
| - | 100 | 140 | | 95 | |
| - | 100 | 140 | 2 | 90 | |
| | Nominal thic | kness (mm) | Values | (MPa) | |
| Tensile strength | > | ≤ | min | max | |
| | =3 | 100 | 470 | 630 | 1 |
| | 100 | 140 | 450 | 600 | |
| | | | | | |
| l F | | | | | 1 |
| | Nominal thickness (mm) | | Value | es (%) | EN 10025-1:2004 |
| | > | ≤ | min | | 1 |
| Flancetian | =3 | 40 | 22 | | 1 |
| Elongation | 40 | 63 | | 1 | |
| | 63 | 100 | 2 | 0 | |
| _ | 100 | 140 | 1 | 8 | |
| | Nominal thic | kness (mm) | Value | es (J) | |
| Impact strength | > | < | m | in | 1 |
| | | 140 | | 20°C | 1 |
| | Nominal thic | | 1 | es (%) | 1 |
| - | | < / | | ax | 4 |
| Woldobility | > | 30 | | 45 | 4 |
| Weldability | 30 | 40 | | 47 47 | 4 |
| - | 40 | 140 | | | |
| - | 40 | 140 | 0,47 | | |
| Durability | Nominal thic | kness (mm) | Values (%) | | |
| (Chemical | > | ≤ | min | max | 1 |
| composition) | · · · · · · · · · · · · · · · · · · · | 140 | | C: 0,24 | 1 |
| | | | | Si: 0,55 | |
| | | | | Mn : 1,60 | |
| | | | | P: 0,040 | |
| | | | | Cu : 0,55 | |
| 1 | | | | S: 0,040 | |
| | | | | N: 0,012 | |



No AMEB-2/08-CPR-13-1

Code of the product type: \$355J0

According EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

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System 2+

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Christophe Houyoux

Quality Manager

Date: 1.12.2021



| Essential characteristic | | Perfor | mance | Harmonised technical specification | |
|--------------------------|------------------------|------------|-------------------------------------|------------------------------------|-----------------|
| | L | | EN 10056-2 | | - |
| | 1/ | Н | | 0034 | |
| Tolerances on | | | | 0024 | |
| dimensions and | U | | EN 1 | 0279 |] |
| shape | -/□/ | O/T | EN 10058/EN 10059/EN 10060/EN 10056 | | |
| | Nominal thickness (mm) | | Values | s (MPa) | _ |
| | > | ≤ | min | | 1 |
| Ī | | 16 | 3. | 55 | |
| | 16 | 40 | 3. | 45 | |
| Yield strength | 40 | 63 | | 35 | 1 |
| - | 63 | 80 | | 25 | |
| - | 80 | 100 | | 15 | 1 |
| F | 100 | 140 | | 95 | - |
| <u> </u> | 100 | 140 | - | 00 | - |
| | Nominal thic | kness (mm) | Values | s (MPa) | _ |
| | > | ≤ | min | max | 1 |
| - | =3 | 100 | 470 | 630 | |
| Tensile strength | 100 | 140 | 450 | 600 | |
| | | | | | |
| | | | | | 1 |
| | Nominal thickness (mm) | | Value | es (%) | EN 10025-1:2004 |
| - | > ≤ | | m | nin | |
| - | =3 | 40 | min 22 | | 1 |
| Elongation | 40 | 63 | | <u></u> 21 | |
| | 63 | 100 | 2 | 20 | 1 |
| Ī | 100 | 140 | 1 | 8 | 1 |
| | | | | | |
| Impact strength - | Nominal thic | kness (mm) | Values (J) | | |
| impact strength | > | ≤ | | nin | |
| | | 140 | 27 / | 0°C | |
| | Nominal thic | kness (mm) | Value | es (%) | |
| _ | > | ≤ | | ax | |
| Weldability | | 30 | | 45 | |
| | 30 | 40 | | 47 | |
| - | 40 | 140 | 0,47 | | - |
| Durability | Nominal thic | kness (mm) | Values (%) | | _ |
| (Chemical | > | ≤ | min | max | 1 |
| composition) | | 140 | 1111111 | C: 0,20-0,22 | 1 |
| | | 140 | | Si: 0,55 | |
| | | 1 | | Mn : 1,60 | |
| | | 1 | | P: 0,035 | |
| | | | | Cu: 0,55 | |
| | | | | S: 0,035 | |
| | | | | N: 0,012 | |



No AMEB-2/09-CPR-13-1

1) Code of the product type: \$355J2

According EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

ArcelorMittal Belval and Differdange S.A Site of Esch-Belval
 Boulevard Charles de Gaulle
L-4008 Esch-sur-Alzette (G.D. of Luxembourg)
 Tel: +352 5820 2870
 sections.arcelormittal.com

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

System 2+

Notified factory production control certification body No. 0038 Lloyd's Register 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.

The performance of the product identified in point 1 is in conformity with the declared performance in the table. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Christophe Houyoux

Quality Manager

Date: 1.12.2021



| Essential characteristic | | Perfo | Performance | | |
|---------------------------------------|------------------------|------------|-------------------------------------|--------------|-----------------|
| | L | | EN 10056-2 | | specification |
| | 1/ | Н | | 10034 | |
| Tolerances on | | | | 10024 | |
| dimensions and | ι | J | EN ' | 10279 | |
| shape | -10/ | O/T | EN 10058/EN 10059/EN 10060/EN 10056 | | |
| | Nominal thic | kness (mm) | Value | s (MPa) | |
| | > | ≤ | min | | |
| | | 16 | 3 | 55 | |
| | 16 | 40 | 3 | 45 | |
| Yield strength | 40 | 63 | | 35 | |
| <u> </u> | 63 | 80 | | 25 | |
| <u> </u> | 80 | 100 | | 15 | 1 |
| | 100 | 140 | | 95 | |
| | | | | | |
| | Nominal thic | kness (mm) | Value | s (MPa) | 1 |
| | > | ≤ | min | max | |
| Tensile strength | =3 | 100 | 470 | 630 | |
| Tensile strength | 100 | 140 | 450 | 600 | |
| _ | | | | | |
| - | | | | | 1 |
| | Nominal thickness (mm) | | Value | es (%) | EN 10025-1:2004 |
| | > | ≤ | min | | |
| Elongation | =3 | 40 | | 22 | |
| Liongunon | 40 | 63 | | 21 | |
| - | 63 | 100 | | 20 | |
| - | 100 | 140 | <u> </u> | 18 | |
| | Nominal thic | kness (mm) | Valu | es (J) | 1 |
| Impact strength | > | ≤ | n | nin | |
| | | 140 | 27 / | -20°C | |
| | Nominal thic | kness (mm) | Value | es (%) | |
| | > | ≤ | | nax | |
| Weldability | | 30 | | ,45 | |
| _ | 30 | 40 | | .47 | |
| - | 40 | 140 | 0, | ,47 | |
| Durability | Nominal thic | kness (mm) | Values (%) | | 1 |
| (Chemical | > | ≤ ′ | min | max | 1 |
| composition) | | 140 | | C: 0,20-0,22 | † |
| · · · · · · · · · · · · · · · · · · · | | 140 | | Si: 0,55 | |
| | | | | Mn : 1,60 | |
| | | | | Cu: 0,55 | |
| | | | | S: 0,030 | |
| | | | | P: 0,030 | |
| | | | | | |



No AMEB-2/10-CPR-13-1

Code of the product type: \$355K2

According EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

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 Boulevard Charles de Gaulle
L-4008 Esch-sur-Alzette (G.D. of Luxembourg)
 Tel: +352 5820 2870
 sections.arcelormittal.com

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

System 2+

Notified factory production control certification body No. 0038 Lloyd's Register 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.

The performance of the product identified in point 1 is in conformity with the declared performance in the table. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Christophe Houyoux

Quality Manager

Date: 1.12.2021



| Essential characteristic | | Perfor | Performance | | |
|--------------------------|------------------------|------------|-------------------------------------|--------------|-----------------|
| | L | | EN 10056-2 | | specification |
| | 1/ | Н | EN 10034 | | |
| Tolerances on | I | | | 10024 | |
| dimensions and | ι | J | EN 1 | 10279 | |
| shape | -10/ | O/T | EN 10058/EN 10059/EN 10060/EN 10056 | | |
| | Nominal thickness (mm) | | Values | s (MPa) | |
| | > | ≤ | min | | |
| | | 16 | 3 | 55 | |
| | 16 | 40 | 3 | 45 | |
| Yield strength | 40 | 63 | | 35 | |
| <u> </u> | 63 | 80 | | 25 | |
| <u> </u> | 80 | 100 | | 15 | 1 |
| | 100 | 140 | | 95 | - |
| | | | | | |
| | Nominal thic | kness (mm) | Values | s (MPa) | 1 |
| | > | ≤ | min | max | |
| Tensile strength | =3 | 100 | 470 | 630 | |
| Tensile strength | 100 | 140 | 450 | 600 | |
| _ | | | | | |
| - | | | | | 1 |
| | Nominal thickness (mm) | | Value | es (%) | EN 10025-1:2004 |
| | > | ≤ | min | | |
| Elongation | =3 | 40 | | 22 | |
| Liongunon | 40 | 63 | | 21 | |
| - | 63 | 100 | | 20 | |
| - | 100 | 140 | 1 | 18 | |
| | Nominal thic | kness (mm) | Valu | es (J) | 1 |
| Impact strength | > | ≤ | m | nin | |
| | | 140 | 40 / | -20°C | |
| | Nominal thic | kness (mm) | Value | es (%) | |
| | > | ≤ | | ax | |
| Weldability | | 30 | | 45 | |
| _ | 30 | 40 | | 47 | |
| - | 40 | 140 | 0,47 | | 4 |
| Durability | Nominal thic | kness (mm) | Values (%) | | - |
| (Chemical | > | ≤ | min | max | 1 |
| composition) | | 140 | | C: 0,20-0,22 | 1 |
| ,, | | | | Si : 0,55 | |
| | | 1 | | Mn : 1,60 | |
| | | | | Cu: 0,55 | |
| | | 1 | | S:0,030 | |
| | | | | P: 0,030 | |
| | |] | | | |



No AMEB-2/12-CPR-20-1

Code of the product type:
 According EN 10025-2

S460JR

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

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 Boulevard Charles de Gaulle
L-4008 Esch-sur-Alzette (G.D. of Luxembourg)
 Tel: +352 5820 2870
 sections.arcelormittal.com

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

System 2+

Notified factory production control certification body No. 0038 Lloyd's Register 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.

The performance of the product identified in point 1 is in conformity with the declared performance in the table. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Christophe Houyoux

Quality Manager

Hoyou

Date: 1.12.2021



| Essential characteristic | | Perfor | Performance | | |
|--------------------------|------------------------|------------|-------------------------------------|----------------------|-----------------|
| | L | | EN 10056-2 | | specification |
| ľ | I/H | | EN 10034 | | 1 |
| Tolerances on | | | EN 10024 | | |
| dimensions and | U | | EN 1 | 10279 | |
| shape | - /□/ | O/T | EN 10058/EN 10059/EN 10060/EN 10056 | | |
| | Nominal thic | kness (mm) | Values | s (MPa) | 1 |
| , | > | ≤ | min | | |
| Ī | | 16 | 4 | 60 | |
| ļ. | 16 | 40 | 4 | 40 | 1 |
| Yield strength | 40 | 63 | | 20 | 1 |
| ļ. | 63 | 80 | | 00 | 1 |
| <u>}</u> | 80 | 100 | _ | 90 | 1 |
| } | 100 | 140 | | 90 | 1 |
| F | | | | • • | 1 |
| | Nominal thic | kness (mm) | Values | s (MPa) | |
| Tensile strength | > | ≤ | min | max | |
| | =3 | 100 | 550 | 720 | |
| | 100 | 140 | 530 | 700 | |
| | | | | | |
| - | | | + | | 1 |
| | Nominal thickness (mm) | | Value | es (%) | EN 10025-1:2004 |
| ľ | > | ≤ | min | | |
| Elongation | =3 | 40 | | 17 |] |
| Liongation | 40 | 63 | | 17 | |
| L | 63 | 100 | _ | 17 | |
| | 100 | 140 | 1 | 17 | |
| | Nominal thic | kness (mm) | Valu | es (J) | † |
| Impact strength | > | < | m | nin | - |
| ļ. | | 140 | | 20°C | 1 |
| | Nominal thic | kness (mm) | Value | es (%) | |
| Ī | > | ≤ | m | nax | 1 |
| Weldability | | 30 | 0, | ,47 | |
| Ĭ | 30 | 40 | | ,49 | |
| | 40 | 140 | 0, | ,49 | |
| D | Nominal this | kness (mm) | Value | es (%) | _ |
| Durability | Nominal thic | kness (mm) | | es (%) | |
| (Chemical | > | ≤ | min | max | |
| composition) | | 140 | | C: 0,20-0,22 | |
| | | | | Si: 0,55 | |
| | | 1 | | Mn: 1,70 | |
| | | 1 | | P: 0,035 Cu: 0,55 | |
| | | | | S: 0,035 | |
| | | I | | N: 0,025 | |



No AMEB-2/13-CPR-20-1 Code of the product type: According EN 10025-2

1)

S460J0

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the

manufacturer: To be used in welded, bolted and riveted structures

ArcelorMittal Belval and Differdange S.A Site of Esch-Belval Boulevard Charles de Gaulle L-4008 Esch-sur-Alzette (G.D. of Luxembourg) Tel: +352 5820 2870 sections.arcelormittal.com

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

Notified factory production control certification body No. 0038 Lloyd's Register 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.

The performance of the product identified in point 1 is in conformity with the declared performance in the table. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Christophe Houyoux Quality Manager

Date: 1.12.2021



| Esse | ntial characteristi | С | Perfo | ormance | Harmonised technical specification |
|------------------|------------------------|------------|------------------|------------------------|--|
| | L | | EN 10056-2 | | |
| | I/H | | EN | 10034 | |
| Tolerances on | | | | 10024 | |
| dimensions and | U | | EN | 10279 | |
| shape | -/ _□ /0 | D/T | EN 10058/EN 1005 | 9/EN 10060/EN 10056 | |
| | Nominal thic | kness (mm) | Value | es (MPa) | |
| Ī | > | ≤ | 1 | min | |
| | | 16 | 4 | 460 | 1 |
| | 16 | 40 | | 440 | |
| Yield strength | 40 | 63 | | 420 | 1 |
| ŀ | 63 | 80 | | 400 | 1 |
| | 80 | 100 | | 390 | 1 |
| | 100 | 140 | | 390 | |
| | 100 | 140 | | 500 | 1 |
| | Nominal thic | kness (mm) | Value | es (MPa) | |
| | > | ≤ | min | max | |
| Tonoile etropeth | =3 | 100 | 550 | 720 | |
| Tensile strength | 100 | 140 | 530 | 700 | |
| | | | | | |
| - | | | | | |
| | Nominal thickness (mm) | | Valu | ies (%) | EN 10025-1:2004 |
| | > | ≤ | min | | |
| Elongation | =3 | 40 | 17 | | |
| | 40 | 63 | | 17 17 | |
| | 63 | 100 | | 17 | |
| | 100 | 140 | | 17 | |
| | Nominal thic | kness (mm) | Valu | ues (J) | |
| Impact strength | > | ≤ | 1 | min | |
| | | 140 | 27 | / 0°C | 1 |
| | Nominal thic | kness (mm) | Valu | ies (%) | |
| | > | ≤ | | nax | |
| Weldability | | 30 | |),47 | |
| | 30 | 40 | |),49 | |
| | 40 | 140 | (|),49 | |
| | | | | | |
| Durability | Nominal thic | | Values (%) | | |
| (Chemical | > | ≤ | min | max | |
| composition) | | 140 | | C: 0,20-0,22 | |
| | | | | Si: 0,55 | |
| | | | | Mn : 1,70 P : 0,035 | |
| | | | | P: 0,035 Cu: 0,55 | |
| 1 | | i e | 1 | ou . 0,00 | I |
| | | | | S: 0,035 | |



No AMEB-2/14-CPR-20-1
Code of the product type:

1)

According EN 10025-2

S460J2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

ArcelorMittal Belval and Differdange S.A Site of Esch-Belval
 Boulevard Charles de Gaulle
L-4008 Esch-sur-Alzette (G.D. of Luxembourg)
 Tel: +352 5820 2870
 sections.arcelormittal.com

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

System 2+

Notified factory production control certification body No. 0038 Lloyd's Register 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.

The performance of the product identified in point 1 is in conformity with the declared performance in the table. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Christophe Houyoux

Quality Manager

Date: 1.12.2021



| Essential characteristic | | Perfor | rmance | Harmonised technical specification | |
|--------------------------|--------------|------------|-------------------|------------------------------------|-----------------|
| | L | _ | EN 10 | 0056-2 | |
| - | I/H | | EN 1 | 10034 | 1 |
| Tolerances on | | | | 10024 | |
| dimensions and | U | | EN 1 | 10279 |] |
| shape | -/0/ | O/T | EN 10058/EN 10059 |)/EN 10060/EN 10056 | |
| | Nominal thic | kness (mm) | Values | s (MPa) | _ |
| ŀ | > | ≤ | m | nin | 1 |
| | | 16 | 4 | 60 | |
| | 16 | 40 | 4 | 40 | |
| Yield strength | 40 | 63 | | 20 | - |
| - | 63 | 80 | | 00 | - |
| - | 80 | 100 | _ | 90 | 1 |
| | 100 | 140 | | 90 | 1 |
| | | | | | 1 |
| | Nominal thic | kness (mm) | Values | s (MPa) | |
| | > | ≤ | min | max | |
| Tensile strength | =3 | 100 | 550 | 720 | |
| rensile strength | 100 | 140 | 530 | 700 | |
| | | | | | |
| - | | | | | - |
| | Nominal thic | kness (mm) | Values (%) | | EN 10025-1:2004 |
| | > | ≤ | min | | |
| Elongation | =3 | 40 | 17 | |] |
| Liongation | 40 | 63 | 17 | | |
| - | 63 | 100 | _ | 17 | |
| - | 100 | 140 | 1 | 17 | - |
| | Nominal thic | kness (mm) | Values (J) | | 1 |
| Impact strength | > | ≤ | min | | 1 |
| | · | 140 | 27 / | -20°C | |
| | Nominal thic | kness (mm) | Value | es (%) | |
| | > | ≤ | | nax | |
| Weldability | | 30 | | ,47 | |
| | 30 | 40 | | 49 | |
| - | 40 | 140 | 0,49 | | - |
| Durability | Nominal thic | kness (mm) | Values (%) | | _ |
| (Chemical | > | ` , | min | max | 1 |
| composition) | | 140 | 111111 | C: 0,20-0,22 | 1 |
| | | 140 | | Si: 0,55 | |
| | | | | Mn : 1,70 | |
| | | 1 | | P: 0,035 | |
| | | | | Cu: 0,55 | |
| | | | | S: 0,035 | |
| | | | | N: 0,025 | |



No AMEB-2/15-CPR-20-1

Code of the product type:

According EN 10025-2

1)

S460K2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

ArcelorMittal Belval and Differdange S.A Site of Esch-Belval
 Boulevard Charles de Gaulle
L-4008 Esch-sur-Alzette (G.D. of Luxembourg)
 Tel: +352 5820 2870
 sections.arcelormittal.com

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

System 2+

Notified factory production control certification body No. 0038 Lloyd's Register 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.

The performance of the product identified in point 1 is in conformity with the declared performance in the table. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Christophe Houyoux

Quality Manager

Date: 1.12.2021



| Essential characteristic | | Perfor | rmance | Harmonised technical specification | |
|--------------------------|--------------|------------|-------------------|------------------------------------|-----------------|
| | ı | _ | EN 10 | 0056-2 | · · |
| Ī | 1/ | Н | EN 1 | 10034 | 1 |
| Tolerances on | | | EN 10024 | | |
| dimensions and | U | | EN 1 | 10279 | |
| shape | - /□/ | O/T | EN 10058/EN 10059 |)/EN 10060/EN 10056 | |
| | Nominal thic | kness (mm) | Values | s (MPa) | _ |
| | > | ≤ | m | nin | 1 |
| | | 16 | 4 | 60 | 1 |
| Viald strangeth | 16 | 40 | 4 | 40 | 1 |
| Yield strength | 40 | 63 | | 20 | |
| F | 63 | 80 | | 00 | |
| , <u> </u> | 80 | 100 | _ | 90 | 1 |
| <u> </u> | 100 | 140 | | 90 | 1 |
| - | . 30 | 1.0 | † | | 1 |
| | Nominal thic | kness (mm) | Values | s (MPa) | |
| | > | ≤ | min | max | |
| Tensile strength | =3 | 100 | 550 | 720 | |
| rensile strength | 100 | 140 | 530 | 700 | |
| | | | | | |
| } | | | | | _ |
| | Nominal thic | kness (mm) | Values (%) | | EN 10025-1:2004 |
| | > | ≤ | min | | |
| Elongation | =3 | 40 | 17 | | |
| Liongation | 40 | 63 | 17 | | |
| _ | 63 | 100 | _ | 17 | |
| - | 100 | 140 | 1 | 17 | - |
| | Nominal thic | kness (mm) | Values (J) | | 1 |
| Impact strength | > | ≤ | min | | |
| | | 140 | 40 / | -20°C | |
| | Nominal thic | kness (mm) | Values (%) | | |
| | > | ≤ | | nax | |
| Weldability | | 30 | | ,47 | |
| _ | 30 | 40 | | 49 | |
| - | 40 | 140 | 0,49 | | - |
| Durability | Nominal thic | kness (mm) | Values (%) | | |
| (Chemical | | ≤ | min | max | - |
| composition) | > | 140 | 111111 | C: 0,20-0,22 | 1 |
| composition) | | 140 | | Si: 0,55 | |
| | | | | Mn : 1,70 | |
| | | | | P: 0,035 | |
| | | | | Cu: 0,55 | |
| | | 1 | | S: 0,035 | |
| | | | | N: 0,025 | |



No AMEB-4/01-CPR-13-1

1) Code of the product type: \$275M

According EN 10025-4

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

ArcelorMittal Belval and Differdange S.A Site of Esch-Belval
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 sections.arcelormittal.com

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

System 2+

Notified factory production control certification body No. 0038 Lloyd's Register 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.

The performance of the product identified in point 1 is in conformity with the declared performance in the table. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Christophe Houyoux

Quality Manager

Date: 1.12.2021



| Essential characteristic | | Perfo | ormance | Harmonised technical specification | |
|--------------------------|--------------|------------|------------------|--|-----------------|
| | L | • | EN 10056-2 | | |
| Ī | 1/ | Н | EN | l 10034 | |
| Tolerances on | I | | | l 10024 | |
| dimensions and | ι | J | EN | l 10279 | |
| shape | -/ =/· | O/T | EN 10058/EN 1005 | 59/EN 10060/EN 10056 | |
| | Nominal thic | kness (mm) | Valu | es (MPa) | |
| , <u> </u> | > | ≤ | | min | 1 |
| , | | 16 | | 275 | 1 |
| ļ. | 16 | 40 | | 265 | 1 |
| Yield strength | 40 | 63 | | 255 | 1 |
| | 63 | 80 | | 245 | |
| | 80 | 100 | | 245 | 1 |
| | 100 | 140 | | 240 | 1 |
| ŀ | 100 | 140 | | 2-10 | 1 |
| | Nominal thic | kness (mm) | Valu | es (MPa) | |
| | > | ≤ | min | max | |
| [| | 40 | 370 | 530 | 1 |
| Tensile strength | 40 | 63 | 360 | 520 | 1 |
| - | 63 | 80 | 350 | 510 | 1 |
| | 80 | 100 | 350 | 510 | |
| | 100 | 140 | 350 | 510 | |
| | Nominal thic | kness (mm) | Values (%) | | EN 10025-1:2004 |
| | > | ≤ | min | | |
| Elongation | | 140 | | 24 | |
| - | | | | | |
| - | | | | | - |
| | | | | | ł |
| | Nominal thic | kness (mm) | Values (J) | | |
| Impact strength | > | ≤ | min | | |
| Ī | | 140 | 40 | / -20°C | 1 |
| | Nominal thic | kness (mm) | Values (%) | | |
| | > | ≤ | | max | |
| Weldability | | 16 | | 0,34 | |
| | 16 | 40 | | 0,34 | |
| | 40 | 63 | 0,35 | | |
| | 63 | 140 | 0,38 | | |
| Durability | Nominal thic | kness (mm) | Values (%) | | |
| (Chemical | > | ≤ | min | max | l |
| composition) | | 140 | AI: 0,02 | C: 0,15 Ti: 0,05 | |
| | | | 1 | Mn: 1,50 Cr: 0,30 | |
| | | | | Si: 0,50 Mo: 0,10 | |
| | | | 1 | P: 0,030 Ni: 0,30 S: 0,030 Cu: 0,55 | |
| | | | | S: 0,030 Cu: 0,55 Nb: 0,05 N: 0,015 | ĺ |
| | | | | | |



No AMEB-4/03-CPR-13-1

1) Code of the product type: \$355M

According EN 10025-4

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

ArcelorMittal Belval and Differdange S.A Site of Esch-Belval
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 Tel: +352 5820 2870
 sections.arcelormittal.com

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

System 2+

Notified factory production control certification body No. 0038 Lloyd's Register 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.

The performance of the product identified in point 1 is in conformity with the declared performance in the table. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Christophe Houyoux

Quality Manager

Date: 1.12.2021



| Essential characteristic | | Perfo | ormance | Harmonised technical specification | |
|--------------------------|---------------|------------|------------------|--|-----------------|
| | L | | EN 10056-2 | | |
| | I/H | | EN | 10034 | |
| Tolerances on | | | | 10024 | |
| dimensions and | U | | EN | 10279 | 1 |
| shape | - /□/0 | D/T | EN 10058/EN 1005 | 59/EN 10060/EN 10056 | |
| | Nominal thic | kness (mm) | Value | es (MPa) | |
| | > | ≤ | | min | 1 |
| | | 16 | | 355 | 1 |
| - | 16 | 40 | | 345 | |
| Yield strength | 40 | 63 | | 335 | 1 |
| - | 63 | 80 | | 325 | |
| | 80 | 100 | | 325 | 1 |
| | 100 | 140 | | 320 | 1 |
| - | 100 | 140 | | 020 | 1 |
| | Nominal thic | kness (mm) | Value | es (MPa) | |
| | > | ≤ | min | max | |
| | | 40 | 470 | 630 | 1 |
| Tensile strength | 40 | 63 | 450 | 610 | |
| | 63 | 80 | 440 | 600 | |
| | 80 | 100 | 440 | 600 | |
| | 100 | 140 | 430 | 590 | |
| | Nominal thic | kness (mm) | Values (%) | | EN 10025-1:2004 |
| <u> </u> | > | ≤ | | min | 1 |
| Elongation | | 140 | | 22 | 1 |
| | | | | | |
| - | | | | | - |
| - | | | | | |
| | Nominal thic | kness (mm) | Values (J) | | |
| Impact strength | > | ≤ | min | | |
| | | 140 | 40 | / -20°C | |
| | Nominal thic | kness (mm) | Valu | ues (%) | |
| _ | > | ≤ | | max | |
| Weldability | | 16 | | 0,39 | |
| <u> </u> | 16 | 40 | | 0,39 | |
| <u> </u> | 40 | 63 | 0,40 | | 1 |
| | 63 | 140 | 0,45 | | |
| Durability | Nominal thic | kness (mm) | Values (%) | | |
| | > | ≤ | min | max |] |
| (Chemical | | | AI: 0,02 | C: 0,16 Ti: 0,05 | I |
| (Chemical composition) | - | 140 | AI . 0,02 | 0.0,10 11.0,00 | |
| | | 140 | A1 . 0,02 | Mn: 1,60 Cr: 0,30 | |
| | | 140 | AI . 0,02 | Mn: 1,60 | |
| | | 140 | A1 . 0,02 | Mn: 1,60 | |
| | | 140 | A1.0,02 | Mn: 1,60 | |



No AMEB-4/04-CPR-13-1

1) Code of the product type: \$355ML

According EN 10025-4

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

ArcelorMittal Belval and Differdange S.A Site of Esch-Belval
 Boulevard Charles de Gaulle
L-4008 Esch-sur-Alzette (G.D. of Luxembourg)
 Tel: +352 5820 2870
 sections.arcelormittal.com

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

System 2+

Notified factory production control certification body No. 0038 Lloyd's Register 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.

The performance of the product identified in point 1 is in conformity with the declared performance in the table. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Christophe Houyoux

Quality Manager

Date: 1.12.2021



| Essential characteristic | | Perfo | Performance | | |
|--------------------------|---------------|------------|------------------|--|-----------------|
| | L | | EN 10056-2 | | |
| T | I/H | | EN | 10034 | 1 |
| Tolerances on | I | | EN | 10024 | |
| dimensions and | U | | EN | 10279 | |
| shape | - /□/0 | D/T | EN 10058/EN 1005 | 59/EN 10060/EN 10056 | |
| | Nominal thic | kness (mm) | Value | es (MPa) | |
| , – | > | ≤ | | min | 1 |
| <u> </u> | | 16 | | 355 | 1 |
| - | 16 | 40 | | 345 | 1 |
| Yield strength | 40 | 63 | | 335 | 1 |
| - | 63 | 80 | | 325 | - |
| <u> </u> | | | | 325 | + |
| | 80 | 100 | | | |
| | 100 | 125 | | 320 | - |
| - | Nominal thic | kness (mm) | Value | es (MPa) | |
| | > | ≤ | min | max | 1 |
| | · | 40 | 470 | 630 | |
| Tensile strength | 40 | 63 | 450 | 610 | 1 |
| | 63 | 80 | 440 | 600 | 1 |
| | 80 | 100 | 440 | 600 | 1 |
| | 100 | 125 | 430 | 590 | |
| | Nominal thic | kness (mm) | Values (%) | | EN 10025-1:2004 |
| | > | ≤ | | min | |
| Elongation | | 125 | | 22 | |
| | | | | | 1 |
| | | | | | |
| - | | | | | |
| | Nominal thic | kness (mm) | Values (J) | | |
| Impact strength | > | ≤ | min | | |
| | | 125 | 27 | / -50°C | |
| | Nominal thic | kness (mm) | Vali | ues (%) | |
| L | > | ≤ | | max | |
| Weldability | | 16 | | 0,39 | |
| L | 16 | 40 | | 0,39 | |
| , <u> </u> | 40 | 63 | 0,40 | | |
| | 63 | 125 | 0,45 | | |
| Durability | Nominal thic | kness (mm) | Values (%) | | |
| (Chemical composition) | > | ≤ | min | max | |
| | | 125 | AI: 0,02 | C: 0,16 Ti: 0,05 | |
| | | | Ī | Mn: 1,60 Cr: 0,30 | 1 |
| | | | | | |
| | | | | Si: 0,50 Mo: 0,10 | |
| | | | | Si: 0,50 Mo: 0,10 P: 0,030 Ni: 0,50 | |
| | | | | Si: 0,50 Mo: 0,10 | |



No AMEB-4/07-CPR-13-1

1) Code of the product type: \$460M

According EN 10025-4

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

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 sections.arcelormittal.com

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

System 2+

Notified factory production control certification body No. 0038 Lloyd's Register 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.

The performance of the product identified in point 1 is in conformity with the declared performance in the table. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Christophe Houyoux

Quality Manager

Date: 1.12.2021



| Essential characteristic | | Perfo | ormance | Harmonised technical specification | |
|--------------------------|---------------|------------|-------------------|------------------------------------|-----------------|
| | L | | EN · | 10056-2 | |
| | 1/1 | Н | EN | 10034 | |
| Tolerances on | I | | | 10024 | |
| dimensions and | U | | EN | 10279 | |
| shape | -/=/0 | D/T | EN 10058/EN 1005 | 59/EN 10060/EN 10056 | |
| | Nominal thick | kness (mm) | Value | es (MPa) | 1 |
| | > | ≤ | | min | 1 |
| ľ | | 16 | | 460 | 1 |
| ŀ | 16 | 40 | | 440 | 1 |
| Yield strength | 40 | 63 | | 430 | |
| | | | _ | 410 | 4 |
| | 63 | 80 | | 400 | 1 |
| | 80 | 100 | | | 4 |
| - | 100 | 140 | | 385 | 4 |
| | Nominal thick | kness (mm) | Value | es (MPa) | 1 |
| | > | ≤ | min | max | |
| | - | 40 | 540 | 720 | 1 |
| Tensile strength | 40 | 63 | 530 | 710 | 1 |
| • | 63 | 80 | 510 | 690 | 1 |
| | 80 | 100 | 500 | 680 | 1 |
| | 100 | 140 | 490 | 660 | 1 |
| | Nominal thicl | kness (mm) | Values (%) | | EN 10025-1:2004 |
| | > | ≤ | | min | |
| Elongation | | 140 | | 17 | 1 |
| - | Nominal thic | kness (mm) | Val | ues (J) | 1 |
| Impact strength | . 1 | < | | | 4 |
| <u> </u> | > | 140 | min 40 / -20°C | | 1 |
| | Nominal thick | | | ues (%) | |
| | > | ≤ | | max | 1 |
| Weldability | · | 16 | | 0,45 | 1 |
| | 16 | 40 | | 0,46 | 1 |
| | 40 | 63 | | 0,47 | 1 |
| l l | 63 | 140 | 0,48 | | 1 |
| Durability | Nominal thicl | kness (mm) | Values (%) | | |
| (Chemical | > | ≤ | min | max | 1 |
| composition) | | 140 | AI: 0,02 | C: 0,18 Ti: 0,05 | 1 |
| | | | | Mn: 1,70 Cr: 0,30 | |
| | | | | Si: 0,60 Mo: 0,20 | |
| | | | | P: 0,035 Ni: 0,80 | |
| | | | 1 | S: 0,030 Cu: 0,55 | |
| | | | | Nb: 0,05 N: 0,025 | |
| | | | | V: 0,12 | |



No AMEB-5/01-CPR-13-1

Code of the product type:
According EN 10025-5

S355J0W

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

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 Tel: +352 5820 2870
 sections.arcelormittal.com

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

System 2+

Notified factory production control certification body No. 0038 Lloyd's Register 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.

The performance of the product identified in point 1 is in conformity with the declared performance in the table. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Christophe Houyoux

Quality Manager

Date: 1.12.2021



| Essential characteristic | | Р | erformance | Harmonised technical specification | |
|--|--------------|----------------|---------------|------------------------------------|---|
| | L | | EN 10056-2 | | |
| Ī | I/H | | | EN 10034 | 1 |
| Tolerances on | I | | | EN 10024 | |
| dimensions and | l | | | EN 10279 | |
| shape | -/ a/ | D/T | EN 10058/EN 1 | 0059/EN 10060/EN 10056 | |
| | Nominal thic | kness (mm) | V | alues (MPa) | _ |
| | > | ≤ | | min | 1 |
| | | 16 | | 355 | |
| - | 16 | 40 | | 345 | - |
| Yield strength | 40 | 63 | | 335 | - |
| - | 10 | - 50 | | | |
| | Nominal thic | kness (mm) | Values (MPa) | | |
| | > | ≤ | min | max | |
| Tanaila atraneth | =3 | 40 | 470 | 630 | |
| Tensile strength | 40 | 63 | 470 | 630 | |
| | | | | | |
| | Nominal thic | kness (mm) | , | Values (%) | |
| | > | ≤ | | min | |
| Elongation | =3 | 40 | 22 | | |
| Liongation | 40 | 63 | | 21 | _ |
| - | Nominal thic | knoss (mm) | | Values (I) | - |
| Impact strength | Nominal tine | Kiless (IIIII) | Values (J) | | |
| puot ottoligiti | > | ≤ | min | | 1 |
| | | 63 | | 27 / 0°C | 1 |
| | Nominal thic | | , | Values (%) | |
| \M\al- - - - - - - - - - - - - - - - - - - | > | ≤ | | max | - |
| Weldability | 40 | 16 | | 0,52 | - |
| | 16 | 63 | 0,52 | | |
| Durability | Nominal thic | kness (mm) | Values (%) | | _ |
| (Chemical | > | ≤ | min | max | 1 |
| composition) | | 63 | Mn : 0,50 | C: 0,16 Cr: 0,80 | 1 |
| . , | | 55 | Cu : 0,25 | Si: 0,50 | |
| | | | Cr : 0,40 | P: 0,040 | |
| | | | 2 0, 10 | S: 0,040 | |
| | | | | N: 0,012 | |
| | | | | Mn : 1,50 | |
| | | | I | Cu: 0,55 | I |



No AMEB-5/02-CPR-13-1
Code of the product type: \$355J2W
According EN 10025-5

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

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 Tel: +352 5820 2870
 sections.arcelormittal.com

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

System 2+

Notified factory production control certification body No. 0038 Lloyd's Register 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.

The performance of the product identified in point 1 is in conformity with the declared performance in the table. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Christophe Houyoux

Quality Manager

1)

Date: 1.12.2021



| Essential characteristic | | ı | Performance | Harmonised technical specification | |
|--------------------------|------------------------|---------------------|--------------|--|-------|
| | | - | EN 10056-2 | | |
| ľ | I/H | | | EN 10034 | |
| Tolerances on | I | | | EN 10024 | |
| dimensions and | l | J | | EN 10279 | |
| shape | -/=/ | O/T | EN 10058/EN | 10059/EN 10060/EN | 10056 |
| | Nominal thic | kness (mm) | , | /alues (MPa) | |
| , | > | ≤ | | min | |
| , | | 16 | | 355 | |
| ŀ | 16 | 40 | | 345 | |
| Yield strength | 40 | 63 | | 335 | |
| - - | +0 | 00 | | | |
| - | Nominal thic | kness (mm) | Values (MPa) | | |
| - | > | ≤ | min | max | |
| [| =3 | 40 | 470 | 630 | |
| Tensile strength | 40 | 63 | 470 | 630 | |
| | | | | | |
| | | | | | |
| | Nominal thickness (mm) | | | Values (%) | |
| L | > | ≤ | | min | |
| Elongation | =3 | 40 | 22 | | |
| | 40 | 63 | | 21 | |
| <u> </u> | | | | | |
| | Nominal thic | kness (mm) | | Values (J) | |
| Impact strength | | | | 1 1 | |
| · | > | ≤ 63 | _ | min 27 / -20°C | |
| | Nominal thic | | | Values (%) | |
| } | > | Kile33 (IIIII) ≤ | + | max | —— |
| Weldability | | 16 | | 0,52 | |
| | 16 | 63 | | 0,52 | |
| | | | | | |
| Durability | Nominal thic | kness (mm) | Values (%) | | |
| (Chemical | > | ≤ | min | max | |
| composition) | | 63 | Mn: 0,50 | C: 0,16 | |
| . , | | | Cu : 0,25 | Si: 0,50 | |
| | | | Cr : 0,40 | P: 0,035 | |
| | | | | S: 0,035 | |
| | | | | Mn : 1,50 | |
| | | | | Cu: 0,55 | |
| | | | | Cr: 0,80 | |



> No AMEB-5/03-CPR-13-1 Code of the product type: According EN 10025-5

S355K2W

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

ArcelorMittal Belval and Differdange S.A Site of Esch-Belval Boulevard Charles de Gaulle L-4008 Esch-sur-Alzette (G.D. of Luxembourg) Tel: +352 5820 2870 sections.arcelormittal.com

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

Notified factory production control certification body No. 0038 Lloyd's Register 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.

The performance of the product identified in point 1 is in conformity with the declared performance in the table. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Christophe Houyoux Quality Manager

1)

Date: 1.12.2021



| Essential characteristic | | Perfo | rmance | Harmonised technical specification | |
|--|---------------|-----------------|-------------------|--|-----------------|
| | L | | EN 1 | 0056-2 | |
| | 1/ | I/H | | 10034 | |
| Tolerances on | I | | | 10024 | |
| dimensions and | U | | EN | 10279 | |
| Tolerances on dimensions and shape | -/ □/0 | D/T | EN 10058/EN 10059 | 9/EN 10060/EN 10056 | |
| | Nominal thic | kness (mm) | Value | s (MPa) | |
| | > | ≤ | r | nin | |
| | | 16 | | 355 | |
| ŀ | 16 | 40 | | 345 | |
| Yield strength | | | | | |
| | 40 | 63 | Š | 335 | |
| | | | | | |
| _ | Nominal thic | | | s (MPa) | |
| | > | ≤ | min | max | |
| Tensile strength | =3 | 40 | 470 | 630 | |
| renane attengui | 40 | 63 | 470 | 630 | 1 |
| | | | | | |
| - | | | | | |
| _ | Nominal thic | | Values (%) | | EN 10025-1:2004 |
| | > | ≤ | | nin | |
| Elongation | =3 | 40 | | 22 | |
| | 40 | 63 | | 21 | |
| - | | | | | |
| Impact strength | Nominal thic | kness (mm) ≤ | Values (J) | | |
| ŀ | > | 63 | 40 / -20°C | | |
| | Nominal thic | | Values (%) | | |
| | > | ≤ | n | nax | 1 |
| Weldability | - | 16 | | ,52 | 1 |
| | 16 | 63 | | ,52 | 1 |
| ŀ | | | 0,02 | | |
| • | | | | | 1 |
| Durability | Nominal thic | kness (mm) | Values (%) | | |
| (Chemical | > | ≤ | min | max | 1 |
| (Chemical composition) | | 63 | Mn : 0,50 | C: 0,16 | 1 |
| | | | Cu: 0,25 | Si: 0,50 | |
| | | | Cr : 0,40 | P: 0,035 | |
| | | | 1 | S: 0,035 | |
| | | | 1 | Mn : 1,50 | |
| | | | | Cu: 0,55 | |
| | | | | Cr: 0,80 | İ |