



# ArcelorMittal

**Declaration of Performance**  
(according to regulation EU No 305/2011)

No. AMHU-2/01-CPR-13-1

- 1) Code of the product type: **1.0038**  
2) Type: **Sections/Bars S235JR 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

- 3) ArcelorMittal Hunedoara SA  
DJ 687, no. 4  
Cod 331111, Hunedoara – Romania  
Tel 004-0254712785  
Fax 004-0254715311  
www.arcelormittal.com/sections

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

Notified factory production control certification body No. 1823 QUALITAS 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 points 1 and 2 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 3. Signed for and on behalf of the manufacturer by:

Pawar, Dayananda-Rao  
CEO

Cristea Ileana  
Quality Manager

Date : 18.11.2019

| Essential characteristic   |  | Performance |                                     | Harmonised technical specification |                 |
|--|--|-------------|-------------------------------------|------------------------------------|-----------------|
| <b>Tolerances on dimensions and shape</b>  | Angles   |             | EN10056-2                           |                                    | EN 10025-1:2004 |
|  | I and H sections   |             | EN 10034                            |                                    |                 |
|  | Tapered Flange I   |             | EN 10024                            |                                    |                 |
|  | UPE, UPN   |             | EN 10279                            |                                    |                 |
|  | Flat / Square / Round / T bars   |             | EN 10058/EN 10059/EN 10060/EN 10055 |                                    |                 |
| <b>Yield strength</b>  | <b>Nominal thickness (mm)</b>  |             | <b>Values (MPa)</b>                 |                                    |                 |
|  | >  | ≤           | min                                 |                                    |                 |
|  |  | 16          | 235                                 |                                    |                 |
|  | 16   | 40          | 225                                 |                                    |                 |
|  | 40   | 63          | 215                                 |                                    |                 |
|  | 63   | 80          |                                     |                                    |                 |
|  | 80   | 100         |                                     |                                    |                 |
|  | 100  | 140         | 195                                 |                                    |                 |
| <b>Tensile strength</b>  | <b>Nominal thickness (mm)</b>  |             | <b>Values (MPa)</b>                 |                                    |                 |
|  | >  | ≤           | min                                 | max                                |                 |
|  | =3   | 100         | 360                                 | 510                                |                 |
|  | 100  | 140         | 350                                 | 500                                |                 |
| <b>Elongation</b>  | <b>Nominal thickness (mm)</b>  |             | <b>Values (%)</b>                   |                                    |                 |
|  | >  | ≤           | min                                 |                                    |                 |
|  | =3   | 40          | 26                                  |                                    |                 |
|  | 40   | 63          | 25                                  |                                    |                 |
|  | 63   | 100         | 24                                  |                                    |                 |
| 100  | 140  | 22          |                                     |                                    |                 |
| <b>Impact strength</b>   | <b>Nominal thickness (mm)</b>  |             | <b>Values (J)</b>                   |                                    |                 |
|  | >  | ≤           | min                                 |                                    |                 |
|  |  | 140         | 27 at +20°C                         |                                    |                 |
| <b>Weldability</b>   | <b>Nominal thickness (mm)</b>  |             | <b>Values (%)</b>                   |                                    |                 |
|  | >  | ≤           | max                                 |                                    |                 |
|  |  | 30          | 0,35                                |                                    |                 |
|  | 30   | 40          | 0,35                                |                                    |                 |
| 40   | 140  | 0,38        |                                     |                                    |                 |
| <b>Durability (Chemical composition)</b>   | <b>Nominal thickness (mm)</b>  |             | <b>Values (%)</b>                   |                                    |                 |
|  | >  | ≤           | max                                 |                                    |                 |
|  |  | 140         | C* : 0,17                           | Cu : 0,55                          |                 |
|  |  |             | Mn : 1,40                           | S : 0,040                          |                 |
|  |  |             | P : 0,040                           | N** : 0,012                        |                 |
|  | * For nominal thickness > 40 mm C: 0,20. For nominal thickness >100 mm: 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 |  |             |                                     |                                    |                 |



# ArcelorMittal

## Declaration of Performance (according to regulation EU No 305/2011)

No. AMHU-2/02-CPR-13-1

- 1) Code of the product type: **1.0114**
- 2) Type: **Sections/Bars S235J0 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

- 3) ArcelorMittal Hunedoara SA  
DJ 687, no. 4  
Cod 331111, Hunedoara – Romania  
Tel 004-0254712785  
Fax 004-0254715311  
www.arcelormittal.com/sections

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

Notified factory production control certification body No. 1823 QUALITAS 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 points 1 and 2 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 3. Signed for and on behalf of the manufacturer by:

Pawar, Dayananda-Rao  
CEO

Cristea Ileana  
Quality Manager

Date : 18.11.2019

| Essential characteristic   |  | Performance |                                     | Harmonised technical specification |                 |
|--|--|-------------|-------------------------------------|------------------------------------|-----------------|
| <b>Tolerances on dimensions and shape</b>  | Angles   |             | EN10056-2                           |                                    | EN 10025-1:2004 |
|  | I and H sections   |             | EN 10034                            |                                    |                 |
|  | Tapered Flange I   |             | EN 10024                            |                                    |                 |
|  | UPE, UPN   |             | EN 10279                            |                                    |                 |
|  | Flat / Square / Round / T bars                             |             | EN 10058/EN 10059/EN 10060/EN 10055 |                                    |                 |
| <b>Yield strength</b>  | <b>Nominal thickness (mm)</b>                              |             | <b>Values (MPa)</b>                 |                                    |                 |
|  | >  | ≤           | min                                 |                                    |                 |
|  |  | 16          | 235                                 |                                    |                 |
|  | 16   | 40          | 225                                 |                                    |                 |
|  | 40   | 63          | 215                                 |                                    |                 |
|  | 63   | 80          |                                     |                                    |                 |
|  | 80   | 100         |                                     |                                    |                 |
|  | 100  | 140         | 195                                 |                                    |                 |
| <b>Tensile strength</b>  | <b>Nominal thickness (mm)</b>                              |             | <b>Values (MPa)</b>                 |                                    |                 |
|  | >  | ≤           | min                                 | max                                |                 |
|  | ≤3   | 100         | 360                                 | 510                                |                 |
|  | 100  | 140         | 350                                 | 500                                |                 |
| <b>Elongation</b>  | <b>Nominal thickness (mm)</b>                              |             | <b>Values (%)</b>                   |                                    |                 |
|  | >  | ≤           | min                                 |                                    |                 |
|  | ≤3   | 40          | 26                                  |                                    |                 |
|  | 40   | 63          | 25                                  |                                    |                 |
|  | 63   | 100         | 24                                  |                                    |                 |
|  | 100  | 140         | 22                                  |                                    |                 |
| <b>Impact strength</b>   | <b>Nominal thickness (mm)</b>                              |             | <b>Values (J)</b>                   |                                    |                 |
|  | >  | ≤           | min                                 |                                    |                 |
|  |  | 140         | 27 at 0°C                           |                                    |                 |
| <b>Weldability</b>   | <b>Nominal thickness (mm)</b>                              |             | <b>Values (%)</b>                   |                                    |                 |
|  | >  | ≤           | max                                 |                                    |                 |
|  |  | 30          | 0,35                                |                                    |                 |
|  | 30   | 40          | 0,35                                |                                    |                 |
|  | 40   | 140         | 0,38                                |                                    |                 |
| <b>Durability<br/>(Chemical composition)</b>   | <b>Nominal thickness (mm)</b>                              |             | <b>Values (%)</b>                   |                                    |                 |
|  | >  | ≤           | max                                 |                                    |                 |
|  |  | 140         | C* : 0,17                           | Cu : 0,55                          |                 |
|  |  |             | Mn : 1,40                           | S : 0,035                          |                 |
|  |  |             | P : 0,035                           | N** : 0,012                        |                 |
|  | * For nominal thickness >100 mm: 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 |  |             |                                     |                                    |                 |



# ArcelorMittal

## Declaration of Performance (according to regulation EU No 305/2011)

No. AMHU-2/03-CPR-13-1

- 1) Code of the product type: **1.0117**
- 2) Type: **Sections/Bars S235J2 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

- 3) ArcelorMittal Hunedoara SA  
DJ 687, no. 4  
Cod 331111, Hunedoara – Romania  
Tel 004-0254712785  
Fax 004-0254715311  
www.arcelormittal.com/sections

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

Notified factory production control certification body No. 1823 QUALITAS 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 points 1 and 2 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 3. Signed for and on behalf of the manufacturer by:

Pawar, Dayananda-Rao  
CEO

Cristea Ileana  
Quality Manager

Date : 18.11.2019

| Essential characteristic  |                                | Performance |  | Harmonised technical specification |                 |
|---|--------------------------------|-------------|--|------------------------------------|-----------------|
| <b>Tolerances on dimensions and shape</b>   | Angles                         |             | EN10056-2  |                                    | EN 10025-1:2004 |
|   | I and H sections               |             | EN 10034   |                                    |                 |
|   | Tapered Flange I               |             | EN 10024   |                                    |                 |
|   | UPE, UPN                       |             | EN 10279   |                                    |                 |
|   | Flat / Square / Round / T bars |             | EN 10058/EN 10059/EN 10060/EN 10055                        |                                    |                 |
| <b>Yield strength</b>   | <b>Nominal thickness (mm)</b>  |             | <b>Values (MPa)</b>  |                                    |                 |
|   | >                              | ≤           | min  |                                    |                 |
|   |                                | 16          | 235  |                                    |                 |
|   | 16                             | 40          | 225  |                                    |                 |
|   | 40                             | 63          | 215  |                                    |                 |
|   | 63                             | 80          |  |                                    |                 |
|   | 80                             | 100         |  |                                    |                 |
|   | 100                            | 140         | 195  |                                    |                 |
| <b>Tensile strength</b>   | <b>Nominal thickness (mm)</b>  |             | <b>Values (MPa)</b>  |                                    |                 |
|   | >                              | ≤           | min  | max                                |                 |
|   | ≤3                             | 100         | 360  | 510                                |                 |
|   | 100                            | 140         | 350  | 500                                |                 |
| <b>Elongation</b>   | <b>Nominal thickness (mm)</b>  |             | <b>Values (%)</b>  |                                    |                 |
|   | >                              | ≤           | min  |                                    |                 |
|   | ≤3                             | 40          | 26   |                                    |                 |
|   | 40                             | 63          | 25   |                                    |                 |
|   | 63                             | 100         | 24   |                                    |                 |
| 100   | 140                            | 22          |  |                                    |                 |
| <b>Impact strength</b>  | <b>Nominal thickness (mm)</b>  |             | <b>Values (J)</b>  |                                    |                 |
|   | >                              | ≤           | min  |                                    |                 |
|   |                                | 140         | 27 at -20°C  |                                    |                 |
| <b>Weldability</b>  | <b>Nominal thickness (mm)</b>  |             | <b>Values (%)</b>  |                                    |                 |
|   | >                              | ≤           | max  |                                    |                 |
|   |                                | 30          | 0,35   |                                    |                 |
|   | 30                             | 40          | 0,35   |                                    |                 |
| 40  | 140                            | 0,38        |  |                                    |                 |
| <b>Durability<br/>(Chemical composition)</b>  | <b>Nominal thickness (mm)</b>  |             | <b>Values (%)</b>  |                                    |                 |
|   | >                              | ≤           | max  |                                    |                 |
|   |                                | 140         | C* : 0,17  | Cu : 0,55                          |                 |
|   |                                |             | Mn : 1,40  | S : 0,030                          |                 |
|   |                                |             | P : 0,030  |                                    |                 |
|   |                                |             | * For nominal thickness >100 mm: C content upon agreement. |                                    |                 |
| Fully killed steel containing nitrogen binding element in amounts sufficient to bind the available nitrogen (for example min. 0,02% Al) |                                |             |  |                                    |                 |



# ArcelorMittal

## Declaration of Performance (according to regulation EU No 305/2011)

No. AMHU-2/04-CPR-13-1

- 1) Code of the product type: **1.0044**  
 2) Type: **Sections/Bars S275JR 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

- 3) ArcelorMittal Hunedoara SA  
 DJ 687, no. 4  
 Cod 331111, Hunedoara – Romania  
 Tel 004-0254712785  
 Fax 004-0254715311  
 www.arcelormittal.com/sections

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

Notified factory production control certification body No. 1823  
 QUALITAS 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 points 1 and 2 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 3. Signed for and on behalf of the manufacturer by:

Pawar, Dayananda-Rao  
 CEO

Cristea Ileana  
 Quality Manager

Date : 18.11.2019

| Essential characteristic   |                                | Performance |  | Harmonised technical specification |                 |
|--|--------------------------------|-------------|--|------------------------------------|-----------------|
| <b>Tolerances on dimensions and shape</b>  | Angles                         |             | EN10056-2  |                                    | EN 10025-1:2004 |
|  | I and H sections               |             | EN 10034   |                                    |                 |
|  | Tapered Flange I               |             | EN 10024   |                                    |                 |
|  | UPE, UPN                       |             | EN 10279   |                                    |                 |
|  | Flat / Square / Round / T bars |             | EN 10058/EN 10059/EN 10060/EN 10055  |                                    |                 |
| <b>Yield strength</b>  | <b>Nominal thickness (mm)</b>  |             | <b>Values (MPa)</b>  |                                    |                 |
|  | >                              | ≤           | min  |                                    |                 |
|  |                                | 16          | 275  |                                    |                 |
|  | 16                             | 40          | 265  |                                    |                 |
|  | 40                             | 63          | 255  |                                    |                 |
|  | 63                             | 80          | 245  |                                    |                 |
|  | 80                             | 100         | 235  |                                    |                 |
|  | 100                            | 140         | 225  |                                    |                 |
| <b>Tensile strength</b>  | <b>Nominal thickness (mm)</b>  |             | <b>Values (MPa)</b>  |                                    |                 |
|  | >                              | ≤           | min  | max                                |                 |
|  | =3                             | 100         | 410  | 560                                |                 |
|  | 100                            | 140         | 400  | 540                                |                 |
| <b>Elongation</b>  | <b>Nominal thickness (mm)</b>  |             | <b>Values (%)</b>  |                                    |                 |
|  | >                              | ≤           | min  |                                    |                 |
|  | =3                             | 40          | 23   |                                    |                 |
|  | 40                             | 63          | 22   |                                    |                 |
|  | 63                             | 100         | 21   |                                    |                 |
|  | 100                            | 140         | 19   |                                    |                 |
| <b>Impact strength</b>   | <b>Nominal thickness (mm)</b>  |             | <b>Values (J)</b>  |                                    |                 |
|  | >                              | ≤           | min  |                                    |                 |
|  |                                | 140         | 27 at +20°C  |                                    |                 |
| <b>Weldability</b>   | <b>Nominal thickness (mm)</b>  |             | <b>Values (%)</b>  |                                    |                 |
|  | >                              | ≤           | max  |                                    |                 |
|  |                                | 30          | 0,40   |                                    |                 |
|  | 30                             | 40          | 0,40   |                                    |                 |
| 40   | 140                            | 0,42        |  |                                    |                 |
| <b>Durability<br/>(Chemical composition)</b>   | <b>Nominal thickness (mm)</b>  |             | <b>Values (%)</b>  |                                    |                 |
|  | >                              | ≤           | max  |                                    |                 |
|  |                                | 140         | C* : 0,21  | Cu : 0,55                          |                 |
|  |                                |             | Mn : 1,50  | S : 0,040                          |                 |
|  |                                |             | P : 0,040  | N** : 0,012                        |                 |
|  |                                |             | * For nominal thickness > 40 mm C: 0,22. For nominal thickness >100 mm: 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 |                                |             |  |                                    |                 |

**Declaration of Performance**  
(according to regulation EU No 305/2011)

No. AMHU-2/05-CPR-13-1

- 1) Code of the product type: **1.0143**  
2) Type: **Sections/Bars S275J0 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

- 3) ArcelorMittal Hunedoara SA  
DJ 687, no. 4  
Cod 331111, Hunedoara – Romania  
Tel 004-0254712785  
Fax 004-0254715311  
www.arcelormittal.com/sections

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

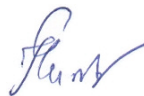
Notified factory production control certification body No. 1823 QUALITAS performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in points 1 and 2 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 3. Signed for and on behalf of the manufacturer by:

Pawar, Dayananda-Rao  
CEO

Cristea Ileana  
Quality Manager

Date : 18.11.2019

| Essential characteristic                    |  | Performance |                                     | Harmonised technical specification |                 |
|---|--|-------------|-------------------------------------|------------------------------------|-----------------|
| <b>Tolerances on dimensions and shape</b>   | Angles   |             | EN10056-2                           |                                    | EN 10025-1:2004 |
|   | I and H sections   |             | EN 10034                            |                                    |                 |
|   | Tapered Flange I   |             | EN 10024                            |                                    |                 |
|   | UPE, UPN   |             | EN 10279                            |                                    |                 |
|   | Flat / Square / Round / T bars   |             | EN 10058/EN 10059/EN 10060/EN 10055 |                                    |                 |
| <b>Yield strength</b>                       | <b>Nominal thickness (mm)</b>  |             | <b>Values (MPa)</b>                 |                                    |                 |
|   | >  | ≤           | min                                 |                                    |                 |
|   |  | 16          | 275                                 |                                    |                 |
|   | 16   | 40          | 265                                 |                                    |                 |
|   | 40   | 63          | 255                                 |                                    |                 |
|   | 63   | 80          | 245                                 |                                    |                 |
|   | 80   | 100         | 235                                 |                                    |                 |
|   | 100  | 140         | 225                                 |                                    |                 |
| <b>Tensile strength</b>                     | <b>Nominal thickness (mm)</b>  |             | <b>Values (MPa)</b>                 |                                    |                 |
|   | >  | ≤           | min                                 | max                                |                 |
|   | ≤3   | 100         | 410                                 | 560                                |                 |
|   | 100  | 140         | 400                                 | 540                                |                 |
| <b>Elongation</b>                           | <b>Nominal thickness (mm)</b>  |             | <b>Values (%)</b>                   |                                    |                 |
|   | >  | ≤           | min                                 |                                    |                 |
|   | ≤3   | 40          | 23                                  |                                    |                 |
|   | 40   | 63          | 22                                  |                                    |                 |
|   | 63   | 100         | 21                                  |                                    |                 |
|   | 100  | 140         | 19                                  |                                    |                 |
| <b>Impact strength</b>                      | <b>Nominal thickness (mm)</b>  |             | <b>Values (J)</b>                   |                                    |                 |
|   | >  | ≤           | min                                 |                                    |                 |
|   |  | 140         | 27 at 0°C                           |                                    |                 |
| <b>Weldability</b>                          | <b>Nominal thickness (mm)</b>  |             | <b>Values (%)</b>                   |                                    |                 |
|   | >  | ≤           | max                                 |                                    |                 |
|   |  | 30          | 0,40                                |                                    |                 |
|   | 30   | 40          | 0,40                                |                                    |                 |
|   | 40   | 140         | 0,42                                |                                    |                 |
| <b>Durability</b><br>(Chemical composition) | <b>Nominal thickness (mm)</b>  |             | <b>Values (%)</b>                   |                                    |                 |
|   | >  | ≤           | max                                 |                                    |                 |
|   |  | 140         | C* : 0,18                           | Cu : 0,55                          |                 |
|   |  |             | Mn : 1,50                           | S : 0,035                          |                 |
|   |  |             | P : 0,035                           | N** : 0,012                        |                 |
|   | * For nominal thickness >100 mm: 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 |             |                                     |                                    |                 |



# ArcelorMittal

## Declaration of Performance (according to regulation EU No 305/2011)

No. AMHU-2/06-CPR-13-1

- 1) Code of the product type: **1.0145**
- 2) Type: **Sections/Bars S275J2 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

- 3) ArcelorMittal Hunedoara SA  
DJ 687, no. 4  
Cod 331111, Hunedoara – Romania  
Tel 004-0254712785  
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www.arcelormittal.com/sections

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

Notified factory production control certification body No. 1823 QUALITAS 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 points 1 and 2 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 3. Signed for and on behalf of the manufacturer by:

Pawar, Dayananda-Rao  
CEO

Cristea Ileana  
Quality Manager

Date : 18.11.2019

| Essential characteristic  |                                | Performance |                                     | Harmonised technical specification |                 |
|---|--------------------------------|-------------|-------------------------------------|------------------------------------|-----------------|
| <b>Tolerances on dimensions and shape</b>   | Angles                         |             | EN10056-2                           |                                    | EN 10025-1:2004 |
|   | I and H sections               |             | EN 10034                            |                                    |                 |
|   | Tapered Flange I               |             | EN 10024                            |                                    |                 |
|   | UPE, UPN                       |             | EN 10279                            |                                    |                 |
|   | Flat / Square / Round / T bars |             | EN 10058/EN 10059/EN 10060/EN 10055 |                                    |                 |
| <b>Yield strength</b>   | <b>Nominal thickness (mm)</b>  |             | <b>Values (MPa)</b>                 |                                    |                 |
|   | >                              | ≤           | min                                 |                                    |                 |
|   |                                | 16          | 275                                 |                                    |                 |
|   | 16                             | 40          | 265                                 |                                    |                 |
|   | 40                             | 63          | 255                                 |                                    |                 |
|   | 63                             | 80          | 245                                 |                                    |                 |
|   | 80                             | 100         | 235                                 |                                    |                 |
|   | 100                            | 140         | 225                                 |                                    |                 |
| <b>Tensile strength</b>   | <b>Nominal thickness (mm)</b>  |             | <b>Values (MPa)</b>                 |                                    |                 |
|   | >                              | ≤           | min                                 | max                                |                 |
|   | ≤3                             | 100         | 410                                 | 560                                |                 |
|   | 100                            | 140         | 400                                 | 540                                |                 |
| <b>Elongation</b>   | <b>Nominal thickness (mm)</b>  |             | <b>Values (%)</b>                   |                                    |                 |
|   | >                              | ≤           | min                                 |                                    |                 |
|   | ≤3                             | 40          | 23                                  |                                    |                 |
|   | 40                             | 63          | 22                                  |                                    |                 |
|   | 63                             | 100         | 21                                  |                                    |                 |
| 100   | 140                            | 19          |                                     |                                    |                 |
| <b>Impact strength</b>  | <b>Nominal thickness (mm)</b>  |             | <b>Values (J)</b>                   |                                    |                 |
|   | >                              | ≤           | min                                 |                                    |                 |
|   | 140                            | 27 at -20°C |                                     |                                    |                 |
| <b>Weldability</b>  | <b>Nominal thickness (mm)</b>  |             | <b>Values (%)</b>                   |                                    |                 |
|   | >                              | ≤           | max                                 |                                    |                 |
|   |                                | 30          | 0,40                                |                                    |                 |
|   | 30                             | 40          | 0,40                                |                                    |                 |
| 40  | 140                            | 0,42        |                                     |                                    |                 |
| <b>Durability<br/>(Chemical composition)</b>  | <b>Nominal thickness (mm)</b>  |             | <b>Values (%)</b>                   |                                    |                 |
|   | >                              | ≤           | max                                 |                                    |                 |
|   |                                | 140         | C* : 0,18                           | Cu : 0,55                          |                 |
|   |                                |             | Mn : 1,50                           | S : 0,030                          |                 |
|   |                                |             | P : 0,030                           |                                    |                 |
| * For nominal thickness >100 mm: C content upon agreement.<br>Fully killed steel containing nitrogen binding element in amounts sufficient to bind the available nitrogen (for example min. 0,02% Al) |                                |             |                                     |                                    |                 |



# ArcelorMittal

## Declaration of Performance (according to regulation EU No 305/2011)

No. AMHU-2/07-CPR-13-1

- 1) Code of the product type: **1.0045**
- 2) Type: **Sections/Bars S355JR 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

- 3) ArcelorMittal Hunedoara SA  
DJ 687, no. 4  
Cod 331111, Hunedoara – Romania  
Tel 004-0254712785  
Fax 004-0254715311  
www.arcelormittal.com/sections

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

Notified factory production control certification body No. 1823  
QUALITAS 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 points 1 and 2 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 3. Signed for and on behalf of the manufacturer by:

Pawar, Dayananda-Rao  
CEO

Cristea Ileana  
Quality Manager

Date : 18.11.2019

| Essential characteristic   |                                | Performance |                                     | Harmonised technical specification |                 |
|--|--------------------------------|-------------|-------------------------------------|------------------------------------|-----------------|
| <b>Tolerances on dimensions and shape</b>  | Angles                         |             | EN10056-2                           |                                    | EN 10025-1:2004 |
|  | I and H sections               |             | EN 10034                            |                                    |                 |
|  | Tapered Flange I               |             | EN 10024                            |                                    |                 |
|  | UPE, UPN                       |             | EN 10279                            |                                    |                 |
|  | Flat / Square / Round / T bars |             | EN 10058/EN 10059/EN 10060/EN 10055 |                                    |                 |
| <b>Yield strength</b>  | <b>Nominal thickness (mm)</b>  |             | <b>Values (MPa)</b>                 |                                    |                 |
|  | >                              | ≤           | min                                 |                                    |                 |
|  |                                | 16          | 355                                 |                                    |                 |
|  | 16                             | 40          | 345                                 |                                    |                 |
|  | 40                             | 63          | 335                                 |                                    |                 |
|  | 63                             | 80          | 325                                 |                                    |                 |
|  | 80                             | 100         | 315                                 |                                    |                 |
|  | 100                            | 140         | 295                                 |                                    |                 |
| <b>Tensile strength</b>  | <b>Nominal thickness (mm)</b>  |             | <b>Values (MPa)</b>                 |                                    |                 |
|  | >                              | ≤           | min                                 | max                                |                 |
|  | ≤3                             | 100         | 470                                 | 630                                |                 |
|  | 100                            | 140         | 450                                 | 600                                |                 |
| <b>Elongation</b>  | <b>Nominal thickness (mm)</b>  |             | <b>Values (%)</b>                   |                                    |                 |
|  | >                              | ≤           | min                                 |                                    |                 |
|  | ≤3                             | 40          | 22                                  |                                    |                 |
|  | 40                             | 63          | 21                                  |                                    |                 |
|  | 63                             | 100         | 20                                  |                                    |                 |
| 100  | 140                            | 18          |                                     |                                    |                 |
| <b>Impact strength</b>   | <b>Nominal thickness (mm)</b>  |             | <b>Values (J)</b>                   |                                    |                 |
|  | >                              | ≤           | min                                 |                                    |                 |
|  | 140                            | 27 at +20°C |                                     |                                    |                 |
| <b>Weldability</b>   | <b>Nominal thickness (mm)</b>  |             | <b>Values (%)</b>                   |                                    |                 |
|  | >                              | ≤           | max                                 |                                    |                 |
|  |                                | 30          | 0,45                                |                                    |                 |
|  | 30                             | 40          | 0,47                                |                                    |                 |
| 40   | 140                            | 0,47        |                                     |                                    |                 |
| <b>Durability<br/>(Chemical composition)</b>   | <b>Nominal thickness (mm)</b>  |             | <b>Values (%)</b>                   |                                    |                 |
|  | >                              | ≤           | max                                 |                                    |                 |
|  |                                | 140         | C* : 0,20                           | Cu : 0,55                          |                 |
|  |                                |             | Si : 0,55                           | S : 0,040                          |                 |
|  |                                |             | Mn : 1,60                           | N** : 0,012                        |                 |
|  |                                |             | P : 0,035                           |                                    |                 |
| * For nominal thickness >100 mm: 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 |                                |             |                                     |                                    |                 |



# ArcelorMittal

## Declaration of Performance (according to regulation EU No 305/2011)

No. AMHU-2/08-CPR-13-1

- 1) Code of the product type: **1.0553**
- 2) Type: **Sections/Bars S355J0 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

- 3) ArcelorMittal Hunedoara SA  
DJ 687, no. 4  
Cod 331111, Hunedoara – Romania  
Tel 004-0254712785  
Fax 004-0254715311  
www.arcelormittal.com/sections

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

Notified factory production control certification body No. 1823 QUALITAS 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 points 1 and 2 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 3. Signed for and on behalf of the manufacturer by:

Pawar, Dayananda-Rao  
CEO

Cristea Ileana  
Quality Manager

Date : 18.11.2019

| Essential characteristic                     |                                | Performance  |  | Harmonised technical specification |                 |
|--|--------------------------------|--|--|------------------------------------|-----------------|
| <b>Tolerances on dimensions and shape</b>    | Angles                         |  | EN10056-2  |                                    | EN 10025-1:2004 |
|  | I and H sections               |  | EN 10034   |                                    |                 |
|  | Tapered Flange I               |  | EN 10024   |                                    |                 |
|  | UPE, UPN                       |  | EN 10279   |                                    |                 |
|  | Flat / Square / Round / T bars |  | EN 10058/EN 10059/EN 10060/EN 10055  |                                    |                 |
| <b>Yield strength</b>                        | <b>Nominal thickness (mm)</b>  |  | <b>Values (MPa)</b>  |                                    |                 |
|  | >                              | ≤  | min  |                                    |                 |
|  |                                | 16   | 355  |                                    |                 |
|  | 16                             | 40   | 345  |                                    |                 |
|  | 40                             | 63   | 335  |                                    |                 |
|  | 63                             | 80   | 325  |                                    |                 |
|  | 80                             | 100  | 315  |                                    |                 |
|  | 100                            | 140  | 295  |                                    |                 |
| <b>Tensile strength</b>                      | <b>Nominal thickness (mm)</b>  |  | <b>Values (MPa)</b>  |                                    |                 |
|  | >                              | ≤  | min  | max                                |                 |
|  | ≤3                             | 100  | 470  | 630                                |                 |
|  | 100                            | 140  | 450  | 600                                |                 |
| <b>Elongation</b>                            | <b>Nominal thickness (mm)</b>  |  | <b>Values (%)</b>  |                                    |                 |
|  | >                              | ≤  | min  |                                    |                 |
|  | ≤3                             | 40   | 22   |                                    |                 |
|  | 40                             | 63   | 21   |                                    |                 |
|  | 63                             | 100  | 20   |                                    |                 |
| 100  | 140                            | 18   |  |                                    |                 |
| <b>Impact strength</b>                       | <b>Nominal thickness (mm)</b>  |  | <b>Values (J)</b>  |                                    |                 |
|  | >                              | ≤  | min  |                                    |                 |
|  | 140                            | 27 at 0°C  |  |                                    |                 |
| <b>Weldability</b>                           | <b>Nominal thickness (mm)</b>  |  | <b>Values (%)</b>  |                                    |                 |
|  | >                              | ≤  | max  |                                    |                 |
|  |                                | 30   | 0,45   |                                    |                 |
|  | 30                             | 40   | 0,47   |                                    |                 |
| 40   | 140                            | 0,47   |  |                                    |                 |
| <b>Durability<br/>(Chemical composition)</b> | <b>Nominal thickness (mm)</b>  |  | <b>Values (%)</b>  |                                    |                 |
|  | >                              | ≤  | max  |                                    |                 |
|  |                                | 140  | C* : 0,20  | Cu : 0,55                          |                 |
|  |                                |  | Si : 0,55  | S : 0,035                          |                 |
|  |                                |  | Mn : 1,60  | N** : 0,012                        |                 |
|  |                                |  | P : 0,035  |                                    |                 |
|  |                                |  | * For nominal thickness > 30 mm C: 0,22. For nominal thickness >100 mm: 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 |  |                                    |                 |





# ArcelorMittal

## Declaration of Performance (according to regulation EU No 305/2011)

No. AMHU-2/09-CPR-13-1

- 1) Code of the product type: **1.0577**
- 2) Type: **Sections/Bars S355J2 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

- 3) ArcelorMittal Hunedoara SA  
DJ 687, no. 4  
Cod 331111, Hunedoara – Romania  
Tel 004-0254712785  
Fax 004-0254715311  
www.arcelormittal.com/sections

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

Notified factory production control certification body No. 1823 QUALITAS 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 points 1 and 2 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 3. Signed for and on behalf of the manufacturer by:

Pawar, Dayananda-Rao  
CEO

Cristea Ileana  
Quality Manager

Date : 18.11.2019

| Essential characteristic   |                                | Performance |                                     | Harmonised technical specification |                 |
|--|--------------------------------|-------------|-------------------------------------|------------------------------------|-----------------|
| <b>Tolerances on dimensions and shape</b>  | Angles                         |             | EN10056-2                           |                                    | EN 10025-1:2004 |
|  | I and H sections               |             | EN 10034                            |                                    |                 |
|  | Tapered Flange I               |             | EN 10024                            |                                    |                 |
|  | UPE, UPN                       |             | EN 10279                            |                                    |                 |
|  | Flat / Square / Round / T bars |             | EN 10058/EN 10059/EN 10060/EN 10055 |                                    |                 |
| <b>Yield strength</b>  | <b>Nominal thickness (mm)</b>  |             | <b>Values (MPa)</b>                 |                                    |                 |
|  | >                              | ≤           | min                                 |                                    |                 |
|  |                                | 16          | 355                                 |                                    |                 |
|  | 16                             | 40          | 345                                 |                                    |                 |
|  | 40                             | 63          | 335                                 |                                    |                 |
|  | 63                             | 80          | 325                                 |                                    |                 |
|  | 80                             | 100         | 315                                 |                                    |                 |
|  | 100                            | 140         | 295                                 |                                    |                 |
| <b>Tensile strength</b>  | <b>Nominal thickness (mm)</b>  |             | <b>Values (MPa)</b>                 |                                    |                 |
|  | >                              | ≤           | min                                 | max                                |                 |
|  | ≤3                             | 100         | 470                                 | 630                                |                 |
|  | 100                            | 140         | 450                                 | 600                                |                 |
| <b>Elongation</b>  | <b>Nominal thickness (mm)</b>  |             | <b>Values (%)</b>                   |                                    |                 |
|  | >                              | ≤           | min                                 |                                    |                 |
|  | ≤3                             | 40          | 22                                  |                                    |                 |
|  | 40                             | 63          | 21                                  |                                    |                 |
|  | 63                             | 100         | 20                                  |                                    |                 |
| 100  | 140                            | 18          |                                     |                                    |                 |
| <b>Impact strength</b>   | <b>Nominal thickness (mm)</b>  |             | <b>Values (J)</b>                   |                                    |                 |
|  | >                              | ≤           | min                                 |                                    |                 |
|  | 140                            | 27 at -20°C |                                     |                                    |                 |
| <b>Weldability</b>   | <b>Nominal thickness (mm)</b>  |             | <b>Values (%)</b>                   |                                    |                 |
|  | >                              | ≤           | max                                 |                                    |                 |
|  |                                | 30          | 0,45                                |                                    |                 |
|  | 30                             | 40          | 0,47                                |                                    |                 |
| 40   | 140                            | 0,47        |                                     |                                    |                 |
| <b>Durability<br/>(Chemical composition)</b>   | <b>Nominal thickness (mm)</b>  |             | <b>Values (%)</b>                   |                                    |                 |
|  | >                              | ≤           | max                                 |                                    |                 |
|  |                                | 140         | C* : 0,20                           | Cu : 0,55                          |                 |
|  |                                |             | Si : 0,55                           | S : 0,030                          |                 |
|  |                                |             | Mn : 1,60                           | P : 0,030                          |                 |
| * For nominal thickness > 30 mm C: 0,22. For nominal thickness >100 mm: C content upon agreement<br>Fully killed steel containing nitrogen binding element in amounts sufficient to bind the available nitrogen<br>(for example min. 0,02% Al) |                                |             |                                     |                                    |                 |