



**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:

Kumar Amit  
CEO

Cristea Ileana  
Quality Manager

Date : 01.07.2013

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 Mn : 1,40 P : 0,040	Cu : 0,55 S : 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					



**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:

Kumar Amit  
 CEO

Cristea Ileana  
 Quality Manager

Date : 01.07.2013

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 (Chemical composition)</b>	<b>Nominal thickness (mm)</b>		<b>Values (%)</b>		
	>	≤	max		
		140	C* : 0,17 Mn : 1,40 P : 0,035	Cu : 0,55 S : 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					



**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:

Kumar Amit  
CEO

Cristea Ileana  
Quality Manager

Date : 01.07.2013

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 Mn : 1,40 P : 0,030	Cu : 0,55 S : 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)					



**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:

Kumar Amit  
 CEO

Cristea Ileana  
 Quality Manager

Date : 01.07.2013

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 (Chemical composition)</b>	<b>Nominal thickness (mm)</b>		<b>Values (%)</b>		
	>	≤	max		
		140	C* : 0,21 Mn : 1,50 P : 0,040	Cu : 0,55 S : 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:

Kumar Amit  
CEO

Cristea Ileana  
Quality Manager

Date : 01.07.2013

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 (Chemical composition)</b>	<b>Nominal thickness (mm)</b>		<b>Values (%)</b>		
	>	≤	max		
		140	C* : 0,18 Mn : 1,50 P : 0,035	Cu : 0,55 S : 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					



**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  
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:

Kumar Amit  
CEO

Cristea Ileana  
Quality Manager

Date : 01.07.2013

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 (Chemical composition)</b>	<b>Nominal thickness (mm)</b>		<b>Values (%)</b>		
	>	≤	max		
		140	C* : 0,18 Mn : 1,50 P : 0,030	Cu : 0,55 S : 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)					



**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:

Kumar Amit  
CEO

Cristea Ileana  
Quality Manager

Date : 01.07.2013

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		
<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		
<b>Durability (Chemical composition)</b>	<b>Nominal thickness (mm)</b>		<b>Values (%)</b>		
	>	≤	max		
		140	C* : 0,24 Si : 0,55 Mn : 1,60 P : 0,040	Cu : 0,55 S : 0,040 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					



**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:

Kumar Amit  
CEO

Cristea Ileana  
Quality Manager

Date : 01.07.2013

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 (Chemical composition)</b>	<b>Nominal thickness (mm)</b>		<b>Values (%)</b>		
	>	≤	max		
		140	C* : 0,20 Si : 0,55 Mn : 1,60 P : 0,035	Cu : 0,55 S : 0,035 N** : 0,012	
* 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					





**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  
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 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:

Kumar Amit  
 CEO

Cristea Ileana  
 Quality Manager

Date : 01.07.2013

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 (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 Fully killed steel containing nitrogen binding element in amounts sufficient to bind the available nitrogen (for example min. 0,02% Al)					