

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

No. AMDG-4/04-CPR-13-1

1) Code of the product type: **1.8834**

2) Type: **Sections/Bars S355ML 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

3) ArcelorMittal Poland S.A.  
al. J. Piłsudskiego 92  
41-308 Dąbrowa Górnicza - Poland  
Tel: +48 32 776 66 66  
Fax: +48 32 776 82 00  
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. 1436  
Institution for Research and Certification (ZETOM) 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:

Bogdan Mikołajczyk  
Executive Director – Longs

Wojciech Michalczyk  
Head of Quality Control –  
Longs




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		
		40	345		
		63	335		
		80	325		
		100	325		
	125	320			
<b>Tensile strength</b>	<b>Nominal thickness (mm)</b>		<b>Values (MPa)</b>		
	>	≤	min	max	
		40	470	630	
		63	450	610	
		80	440	600	
		100	440	600	
		125	430	590	
<b>Elongation</b>	<b>Nominal thickness (mm)</b>		<b>Values (%)</b>		
	>	≤	min		
		140	22		
<b>Impact strength</b>	<b>Nominal thickness (mm)</b>		<b>Values (J)</b>		
	>	≤	min		
		140	27 at -50°C		
<b>Weldability</b>	<b>Nominal thickness (mm)</b>		<b>Values (%)</b>		
	>	≤	max		
		16	0,39		
		40	0,39		
		63	0,40		
<b>Durability</b> (Chemical composition)	<b>Nominal thickness (mm)</b>		<b>Values (%)</b>		
	>	≤	min	max	
		140		C : 0,16 Ti : 0,05 Mn : 1,60 Cr : 0,30 Si : 0,50 Mo : 0,10 P : 0,030 Ni : 0,50 S : 0,025 Cu : 0,55 Nb : 0,05 N : 0,015 V : 0,10	
			Al* : 0,02		
	* If sufficient other nitrogen binding elements are present, the minimum aluminium requirement does not apply				

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

No. AMDG-4/02-CPR-13-1

- 1) Code of the product type: **1.8819**
- 2) Type: **Sections/Bars S275ML 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
- 3) ArcelorMittal Poland S.A.  
al. J. Piłsudskiego 92  
41-308 Dąbrowa Górnicza - Poland  
Tel: +48 32 776 66 66  
Fax: +48 32 776 82 00  
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. 1436 Institution for Research and Certification (ZETOM) 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:

Bogdan Mikołajczyk      Wojciech Michalczyk  
Executive Director – Longs      Head of Quality Control – Longs




Date : 01.07.2013

Essential characteristic		Performance		Harmonised technical specification	
Tolerances on dimensions and shape	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		
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		16	275		
		40	265		
		63	255		
		80	245		
		100	245		
	140	240			
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
		40	370	530	
		63	360	520	
		80	350	510	
		100	350	510	
		140	350	510	
Elongation	Nominal thickness (mm)		Values (%)		
	>	≤	min		
		140	24		
Impact strength	Nominal thickness (mm)		Values (J)		
	>	≤	min		
		140	27 at -50°C		
Weldability	Nominal thickness (mm)		Values (%)		
	>	≤	max		
		16	0,34		
		40	0,34		
		63	0,35		
	140	0,38			
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)		
	>	≤	min	max	
		140		C : 0,15    Ti : 0,05 Mn : 1,50    Cr : 0,30 Si : 0,50    Mo : 0,10 P : 0,030    Ni : 0,30 S : 0,025    Cu : 0,55 Nb : 0,05    N : 0,015 V : 0,08	
			Al* : 0,02		
* If sufficient other nitrogen binding elements are present, the minimum aluminium requirement does not apply					

**Declaration of Performance**  
(according to regulation EU No 305/2011)  
No. AMDG-4/03-CPR-13-1

- 1) Code of the product type: **1.8823**  
2) Type: **Sections/Bars S355M 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

- 3) ArcelorMittal Poland S.A.  
al. J. Piłsudskiego 92  
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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. 1436  
Institution for Research and Certification (ZETOM) 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:

Bogdan Mikołajczyk  
Executive Director – Longs

Wojciech Michalczyk  
Head of Quality Control – Longs




Date : 01.07.2013

Essential characteristic		Performance		Harmonised technical specification	
Tolerances on dimensions and shape	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		
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		16	355		
		40	345		
		63	335		
		80	325		
		100	325		
	140	320			
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
		40	470	630	
		63	450	610	
		80	440	600	
		100	440	600	
		140	430	590	
Elongation	Nominal thickness (mm)		Values (%)		
	>	≤	min		
	140	22			
Impact strength	Nominal thickness (mm)		Values (J)		
	>	≤	min		
	140	40 at -20°C			
Weldability	Nominal thickness (mm)		Values (%)		
	>	≤	max		
		16	0,39		
		40	0,39		
		63	0,40		
	140	0,45			
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)		
	>	≤	min	max	
		140		C : 0,16 Ti : 0,05 Mn : 1,60 Cr : 0,30 Si : 0,50 Mo : 0,10 P : 0,035 Ni : 0,50 S : 0,030 Cu : 0,55 Nb : 0,05 N : 0,015 V : 0,10	
		Al* : 0,02			
* If sufficient other nitrogen binding elements are present, the minimum aluminium requirement does not apply					