

06-01-2022

N 31/8

DECLARATION OF PERFORMANCE
according to Construction Products Regulation (EU) No. 305/2011,
Annex III and Amendment No. 574/2014

No.S275N-CPR-11

1. Unique identification code of the product-type:

S275N

2. Intended use:

to be used in metal structures of hot-rolled weldable fine grain structural steels

3. Manufacturer:

**PRIVATE JOINT STOCK COMPANY
"ILYICH IRON AND STEEL WORKS OF MARIUPOL"**

Levchenko str., 1, Mariupol,

Donetsk Region,

87504, Ukraine

Tel.: +380 (629)56-33-30

E-mail: office.mmk@metinvestholding.com

Website: <https://ilyichsteel.metinvestholding.com>

4. System of AVCP:

System 2+

- 5a. Harmonised standard:

EN 10025-1:2004

Notified body:

**The Certification Body for Construction Products and Metal Structures TÜV Thüringen e.V.
– Notified Body with registration No. 0090 (Erfurt, Germany) has performed initial
inspection of the factory and of the factory production control and carries out the
procedure for current surveillance, evaluation and approval of the factory production
control.**

A certificate has been issued

6. Declared performance:

Essential characteristics	Declared performance		Harmonized technical specification
Dimensions, tolerances on dimensions and shape	Thickness Shape, dimensions	EN 10025-1 par. 7.7.1	
Yield strength	Nominal thickness (mm)	Values (MPa) min.	
	≤16	275	
	>16≤40	265	
	>40≤63	255	
Tensile strength	Nominal thickness (mm)	Values (MPa)	
	≤100	370 min.	510 max.
Elongation	Nominal thickness (mm)	Values (%) min.	
	≤63	24	
Delivery condition	Normalizing rolling (+N)		
Impact energy, longitudinal specimens, KV at:	Value (J) min.		
20 ⁰ C	55		
0 ⁰ C	47		
-10 ⁰ C	43		
-20 ⁰ C	40		
CEV	Nominal thickness (mm)	Values (%) max.	
	≤63	0.40	
Chemical composition	Values (%) max	C: 0.20 Si: 0.45 P: 0.035 S: 0.030 Nb: 0.06 V: 0.07 Ti: 0.06 Cr: 0.35 Ni: 0.35 Mo: 0.13 N: 0.017 Cu: 0.60	
	Values (%)	Mn: 0.45÷1.60	
	Values (%) min	Al _{total} : 0.015	

EN 10025-1:2004

The performance of the product identified above is in conformity with the set of declared performance.

This declaration of performance is issued in accordance with Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Technology and Quality Director

PJSC "ILYICH IRON AND STEEL WORKS OF MARIUPOL"

E.V. Dunaev

Mariupol, 2022/01/06



6 -01- 2022

N 31/8

**DECLARATION OF PERFORMANCE
according to Construction Products Regulation (EU) No. 305/2011,
Annex III and Amendment No. 574/2014**

No.S275NL-CPR-12

1. Unique identification code of the product-type:

S275NL

2. Intended use:

to be used in metal structures of hot-rolled weldable fine grain structural steels

3. Manufacturer:

**PRIVATE JOINT STOCK COMPANY
"ILYICH IRON AND STEEL WORKS OF MARIUPOL"
Levchenko str., 1, Mariupol,
Donetsk Region,
87504, Ukraine
Tel.: +380 (629)56-33-30
E-mail: office.mmk@metinvestholding.com
Website: <https://ilyichsteel.metinvestholding.com>**

4. System of AVCP:

System 2+

- 5a. Harmonised standard:

EN 10025-1:2004

Notified body:

**The Certification Body for Construction Products and Metal Structures TÜV Thüringen e.V.
– Notified Body with registration No. 0090 (Erfurt, Germany) has performed initial
inspection of the factory and of the factory production control and carries out the
procedure for current surveillance, evaluation and approval of the factory production
control.**

A certificate has been issued

6. Declared performance:

Essential characteristics	Declared performance			Harmonized technical specification
Dimensions, tolerances on dimensions and shape	Thickness Shape, dimensions	EN 10025-1 par. 7.7.1		EN 10025-1:2004
Yield strength	Nominal thickness (mm)	Values (MPa) min.		
	≤16	275		
	>16≤40	265		
	>40≤63	255		
Tensile strength	Nominal thickness (mm)	Values (MPa)		
	≤100	370 min.	510 max.	
Elongation	Nominal thickness (mm)	Values (%) min.		
	≤63	24		
Delivery condition	Normalizing rolling (+N)			
Impact energy, longitudinal specimens, KV at:	Value (J) min			
20°C	63			
0°C	55			
-10°C	51			
-20°C	47			
-30°C	40			
-40°C	31			
-50°C	27			
CEV	Nominal thickness (mm)	Values (%) max		
	≤63	0.40		
Chemical composition	Values (%) max	C: 0.18		
		Si: 0.45		
		P: 0.030		
		S: 0.025		
		Nb: 0.06		
		V: 0.07		
		Ti: 0.06		
		Cr: 0.35		
		Ni: 0.35		
		Mo: 0.13		
		N: 0.017		
		Cu: 0.60		
	Values (%)	Mn: 0.45÷1.60		
	Values (%) min/	Al _{total} : 0.015		

EN 10025-1:2004

The performance of the product identified above is in conformity with the set of declared performance.

This declaration of performance is issued in accordance with Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by

Technology and Quality Director

PJSC "ILYICH IRON AND STEEL WORKS OF MARIUPOL"

E.V. Dunaev

Mariupol, 2022/01/06



06-01-2022

N 31/8

DECLARATION OF PERFORMANCE
according to Construction Products Regulation (EU) No. 305/2011,
Annex III and Amendment No. 574/2014

No.S355N-CPR-13

1. Unique identification code of the product-type:

S355N

2. Intended use:

to be used in metal structures of hot-rolled weldable fine grain structural steels

3. Manufacturer:

**PRIVATE JOINT STOCK COMPANY
"ILYICH IRON AND STEEL WORKS OF MARIUPOL"**

Levchenko str., 1, Mariupol,

Donetsk Region,

87504, Ukraine

Tel.: +380 (629)56-33-30

E-mail: office.mmk@metinvestholding.com

Website: <https://ilyichsteel.metinvestholding.com>

4. System of AVCP:

System 2+

- 5a. Harmonised standard:

EN 10025-1:2004

Notified body:

**The Certification Body for Construction Products and Metal Structures TÜV Thüringen e.V.
– Notified Body with registration No. 0090 (Erfurt, Germany) has performed initial
inspection of the factory and of the factory production control and carries out the
procedure for current surveillance, evaluation and approval of the factory production
control.**

A certificate has been issued.

6. Declared performance:

Essential characteristics	Declared performance			Harmonized technical specification
Dimensions, tolerances on dimensions and shape	Thickness Shape, dimensions	EN 10025-1 par. 7.7.1		EN 10025-1:2004
Yield strength	Nominal thickness (mm)	Values (MPa) min.		
	≤16	355		
	>16≤40	345		
	>40≤63	335		
Tensile strength	Nominal thickness (mm)	Values (MPa)		
	≤100	470 min.	630 max.	
Elongation	Nominal thickness (mm)	Values (%) min.		
	≤63	22		
Delivery condition	Normalizing rolling (+N)			
Impact energy, longitudinal specimens, KV at:	Value (J) min.			
20°C	55			
0°C	47			
-10°C	43			
-20°C	40			
CEV	Nominal thickness (mm)	Values (%) max.		
	≤63	0.43		
Chemical composition	Values (%) max.	C: 0.22 Si: 0.55 P: 0.035 S: 0.030 Nb: 0.06 V: 0.14 Ti: 0.06 Cr: 0.35 Ni: 0.55 Mo: 0.13 N: 0.017 Cu: 0.60		
	Values (%)	Mn: 0.85÷1.75		
	Values (%) min.	Al _{total} : 0.015		

The performance of the product identified above is in conformity with the set of declared performance.

This declaration of performance is issued in accordance with Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Technology and Quality Director
PJSC "ILYICH IRON AND STEEL WORKS OF MARIUPOL"



E.V. Dunaev

Mariupol, 2022/01/06

06-01-2022

n 31/8

DECLARATION OF PERFORMANCE
according to Construction Products Regulation (EU) No. 305/2011,
Annex III and Amendment No. 574/2014

No.S355NL-CPR-14

1. Unique identification code of the product-type:

S355NL

2. Intended use:

to be used in metal structures of hot-rolled weldable fine grain structural steels

3. Manufacturer:

PRIVATE JOINT STOCK COMPANY
"ILYICH IRON AND STEEL WORKS OF MARIUPOL"
Levchenko str., 1, Mariupol,
Donetsk Region,
87504, Ukraine
Tel.: +380 (629)56-33-30
E-mail: office.mmk@metinvestholding.com
Website: <https://ilyichsteel.metinvestholding.com>

4. System of AVCP:

System 2+

- 5a. Harmonised standard:

EN 10025-1:2004

Notified body:

The Certification Body for Construction Products and Metal Structures TÜV Thüringen e.V.
– Notified Body with registration No. 0090 (Erfurt, Germany) has performed initial inspection of the factory and of the factory production control and carries out the procedure for current surveillance, evaluation and approval of the factory production control.

A certificate has been issued.

6. Declared performance:

Essential characteristics	Declared performance			Harmonized technical specification
Dimensions, tolerances on dimensions and shape	Thickness Shape, dimensions	EN 10025-1 par. 7.7.1		EN 10025-1:2004
Yield strength	Nominal thickness (mm)	Values (MPa) min.		
	≤16	355		
	>16≤40	345		
	>40≤63	335		
Tensile strength	Nominal thickness (mm)	Values (MPa)		
	≤100	470 min.	630 max.	
Elongation	Nominal thickness (mm)	Values (%) min.		
	≤63	22		
Delivery condition	Normalizing rolling (+N)			
Impact energy, longitudinal specimens, KV at:	Value (J) min.			
20°C	63			
0°C	55			
-10°C	51			
-20°C	47			
-30°C	40			
-40°C	31			
-50°C	27			
CEV	Nominal thickness (mm)	Values (%) max.		
	≤63	0.43		
Chemical composition	Values (%) max.	C: 0.20 Si: 0.55 P: 0.030 S: 0.025 Nb: 0.06 V: 0.14 Ti: 0.06 Cr: 0.35 Ni: 0.55 Mo: 0.13 N: 0.017 Cu: 0.60		
	Values (%)	Mn: 0.85+1.75		
	Values (%) min.	Al _{total} : 0.015		

EN 10025-1:2004

The performance of the product identified above is in conformity with the set of declared performance.

This declaration of performance is issued in accordance with Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Acting Technology and Quality Director
Technology and Quality Director

PJSC "ILYICH IRON AND STEEL WORKS OF MARIUPOL"

E.V. Dunaev

Mariupol, 2022/01/06

06-01-2022

N 31/8

DECLARATION OF PERFORMANCE
according to Construction Products Regulation (EU) No. 305/2011,
Annex III and Amendment No. 574/2014

No.S420N-CPR-15

1. Unique identification code of the product-type:

S420N

2. Intended use:

to be used in metal structures of hot-rolled weldable fine grain structural steels

3. Manufacturer:

PRIVATE JOINT STOCK COMPANY
"ILYICH IRON AND STEEL WORKS OF MARIUPOL"
Levchenko str., 1, Mariupol,
Donetsk Region,
87504, Ukraine
Tel.: +380 (629)56-33-30
E-mail: office.mmk@metinvestholding.com
Website: <https://ilyichsteel.metinvestholding.com>

4. System of AVCP:

System 2+

- 5a. Harmonised standard:

EN 10025-1:2004

Notified body:

The Certification Body for Construction Products and Metal Structures TÜV Thüringen e.V.
– Notified Body with registration No. 0090 (Erfurt, Germany) has performed initial inspection of the factory and of the factory production control and carries out the procedure for current surveillance, evaluation and approval of the factory production control.

A certificate has been issued.

6. Declared performance:

Essential characteristics	Declared performance			Harmonized technical specification
Dimensions, tolerances on dimensions and shape	Thickness Shape, dimensions	EN 10025-1 par. 7.7.1		EN 10025-1:2004
Yield strength	Nominal thickness (mm)	Values (MPa) min.		
	≤16	420		
	>16≤40	400		
	>40≤63	390		
Tensile strength	Nominal thickness (mm)	Values (MPa)		
	≤100	520 min.	680 max.	
Elongation	Nominal thickness (mm)	Values (%) min.		
	≤63	19		
Delivery condition	Normalizing rolling (+N)			
Impact energy, longitudinal specimens, KV at:	Value (J) min.			
20°C	55			
0°C	47			
-10°C	43			
-20°C	40			
CEV	Nominal thickness (mm)	Values (%) max.		
	≤63	0.48		
Chemical composition	Values (%) max.	C: 0.22 Si: 0.65 P: 0.035 S: 0.030 Nb: 0.06 V: 0.22 Ti: 0.06 Cr: 0.35 Ni: 0.85 Mo: 0.13 N: 0.027 Cu: 0.60		
	Values (%)	Mn: 0.95÷1.80		
	Values (%) min.	Al _{total} : 0.015		

EN 10025-1:2004

The performance of the product identified above is in conformity with the set of declared performance.

This declaration of performance is issued in accordance with Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Technology and Quality Director

PJSC "ILYICH IRON AND STEEL WORKS OF MARIUPOL"



[Handwritten signature]

E.V. Dunaev

Mariupol, 2022/01/06

06-01-2022

N 31/8

DECLARATION OF PERFORMANCE
according to Construction Products Regulation (EU) No. 305/2011,
Annex III and Amendment No. 574/2014

No.S420NL-CPR-16

1. Unique identification code of the product-type:

S420NL

2. Intended use:

to be used in metal structures of hot-rolled weldable fine grain structural steels

3. Manufacturer:

PRIVATE JOINT STOCK COMPANY
"ILYICH IRON AND STEEL WORKS OF MARIUPOL"
Levchenko str., 1, Mariupol,
Donetsk Region,
87504, Ukraine
Tel.: +380 (629)56-33-30
E-mail: office.mmk@metinvestholding.com
Website: <https://ilyichsteel.metinvestholding.com>

4. System of AVCP:

System 2+

- 5a. Harmonised standard:

EN 10025-1:2004

Notified body:

The Certification Body for Construction Products and Metal Structures TÜV Thüringen e.V.
– Notified Body with registration No. 0090 (Erfurt, Germany) has performed initial inspection of the factory and of the factory production control and carries out the procedure for current surveillance, evaluation and approval of the factory production control.

A certificate has been issued.

6. Declared performance:

Essential characteristics	Declared performance			Harmonized technical specification
Dimensions, tolerances on dimensions and shape	Thickness Shape, dimensions	EN 10025-1 par. 7.7.1		EN 10025-1:2004
Yield strength	Nominal thickness (mm)	Values (MPa) min.		
	≤16	420		
	>16≤40	400		
	>40≤63	390		
Tensile strength	Nominal thickness (mm)	Values (MPa)		
	≤100	520 min.	680 max.	
Elongation	Nominal thickness (mm)	Values (%) min.		
	≤63	19		
Delivery condition	Normalizing rolling (+N)			
Impact energy, longitudinal specimens, KV at:	Value (J) min.			
20°C	63			
0°C	55			
-10°C	51			
-20°C	47			
-30°C	40			
-40°C	31			
-50°C	27			
Weldability CEV	Nominal thickness (mm)	Value (%) max.		
	≤63	0.48		
Chemical composition	Values (%) max.	C: 0.22		
		Si: 0.65		
		P: 0.030		
		S: 0.025		
	Values (%) max.	Nb: 0.06		
		V: 0.22		
		Ti: 0.06		
		Cr: 0.35		
		Ni: 0.85		
		Mo: 0.13		
		N: 0.027		
		Cu: 0.60		
	Values (%)	Mn: 0.95÷1.80		
	Values (%) min	Al total: 0.015		

EN 10025-1:2004

The performance of the product identified above is in conformity with the set of declared performance.

This declaration of performance is issued in accordance with Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Technology and Quality Director

PJSC "ILYICH IRON AND STEEL WORKS OF MARIUPOL"

E.V. Dunaev

Mariupol, 2022/01/06



06-01-2022

N 31/8

**DECLARATION OF PERFORMANCE
according to Construction Products Regulation (EU) No. 305/2011,
Annex III and Amendment No. 574/2014**

No.S460N-CPR-17

1. Unique identification code of the product-type:

S460N

2. Intended use:

to be used in metal structures of hot-rolled weldable fine grain structural steels

3. Manufacturer:

**PRIVATE JOINT STOCK COMPANY
"ILYICH IRON AND STEEL WORKS OF MARIUPOL"**

Levchenko str., 1, Mariupol,

Donetsk Region,

87504, Ukraine

Tel.: +380 (629)56-33-30

E-mail: office.mmk@metinvestholding.com

Website: <https://ilyichsteel.metinvestholding.com>

4. System of AVCP:

System 2+

- 5a. Harmonised standard:

EN 10025-1:2004

Notified body:

**The Certification Body for Construction Products and Metal Structures TÜV Thüringen e.V.
– Notified Body with registration No. 0090 (Erfurt, Germany) has performed initial
inspection of the factory and of the factory production control and carries out the
procedure for current surveillance, evaluation and approval of the factory production
control.**

A certificate has been issued.

6. Declared performance:

Essential characteristics	Declared performance		Harmonized technical specification
Dimensions, tolerances on dimensions and shape	Thickness Shape, dimensions	EN 10025-1 par. 7.7.1	
Yield strength	Nominal thickness (mm)	Values (MPa) min.	
	≤16	460	
	>16≤40	440	
	>40≤63	430	
Tensile strength	Nominal thickness (mm)	Values (MPa)	
	≤100	540 min.	720 max.
Elongation	Nominal thickness (mm)	Values (%) min.	
	≤63	17	
Delivery condition	Normalizing rolling (+N)		
Impact energy, longitudinal specimens, KV at:	Values (J) min.		
20°C	55		
0°C	47		
-10°C	43		
-20°C	40		
CEV	Nominal thickness (mm)	Value (%) max.	
	≤63	0.53	
Chemical composition	Values (%) max.	C: 0.22 Si: 0.65 P: 0.035 S: 0.030 Nb: 0.06 V: 0.22 Ti: 0.06 Cr: 0.35 Ni: 0.85 Mo: 0.13 N: 0.027 Cu: 0.60	
	Values (%)	Mn: 0.95÷1.80	
	Values (%) min.	Al _{total} : 0.015	

EN 10025-1:2004

The performance of the product identified above is in conformity with the set of declared performance.

This declaration of performance is issued in accordance with Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by

Technology and Quality Director

PJSC "ILYICH IRON AND STEEL WORKS OF MARIUPOL"



E.V. Dunaev

Mariupol, 2022/01/06

0 6 -01- 2022

N31/8

**DECLARATION OF PERFORMANCE
according to Construction Products Regulation (EU) No. 305/2011,
Annex III and Amendment No. 574/2014**

No.S460NL-CPR-18

1. Unique identification code of the product-type:

S460NL

2. Intended use:

to be used in metal structures of hot-rolled weldable fine grain structural steels

3. Manufacturer:

**PRIVATE JOINT STOCK COMPANY
"ILYICH IRON AND STEEL WORKS OF MARIUPOL"**

Levchenko str., 1, Mariupol,

Donetsk Region,

87504, Ukraine

Tel.: +380 (629)56-33-30

E-mail: office.mmk@metinvestholding.com

Website: <https://ilyichsteel.metinvestholding.com>

4. System of AVCP:

System 2+

- 5a. Harmonised standard:

EN 10025-1:2004

Notified body:

**The Certification Body for Construction Products and Metal Structures TÜV Thüringen e.V.
– Notified Body with registration No. 0090 (Erfurt, Germany) has performed initial
inspection of the factory and of the factory production control and carries out the
procedure for current surveillance, evaluation and approval of the factory production
control.**

A certificate has been issued.

6. Declared performance:

Essential characteristics	Declared performance		Harmonized technical specification
Dimensions, tolerances on dimensions and shape	Thickness Shape, dimensions	EN 10025-1 par. 7.7.1	
Yield strength	Nominal thickness (mm)	Values (MPa) min.	
	≤16	460	
	>16≤40	440	
	>40≤63	430	
Tensile strength	Nominal thickness (mm)	Values (MPa)	
	≤100	540 min.	720 max.
Elongation	Nominal thickness (mm)	Values (%) min.	
	≤63	17	
Delivery condition	Normalizing rolling (+N)		
Impact energy, longitudinal specimens, KV at:	Values (J) min.		
20 ⁰ C	63		
0 ⁰ C	55		
-10 ⁰ C	51		
-20 ⁰ C	47		
-30 ⁰ C	40		
-40 ⁰ C	31		
-50 ⁰ C	27		
CEV	Nominal thickness (mm)	Value (%) max.	
	≤63	0.53	
Chemical composition	Values (%) max.	C: 0.22	
		Si: 0.65	
		P: 0.030	
		S: 0.025	
		Nb: 0.06	
		V: 0.22	
		Ti: 0.06	
		Cr: 0.35	
		Ni: 0.85	
		Mo: 0.13	
		N: 0.027	
		Cu: 0.60	
	Values (%)	Mn: 0.95÷1.80	
	Values (%) min.	Al _{total} : 0.015	

EN 10025-1:2004

The performance of the product identified above is in conformity with the set of declared performance.

This declaration of performance is issued in accordance with Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Technology and Quality Director

PJSC "ILYICH IRON AND STEEL WORKS OF MARIUPOL"

E.V. Dunaev

Mariupol, 2022/01/06

