

16-03-2020

№ 31/332

DECLARATION OF PERFORMANCE
according to Construction Products Regulation No.305/2011/EU,
Annex III
No.S275N-CPR-11

1. Unique identification code of the product-type:

S275N according to EN 10025-3:2019

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

4. System of AVCP:

System 2+

- 5a. Harmonised standard:

EN 10025-1:2004

Notified body:

№ 0036

TUV SUD Industrie Service GmbH, Westendstr. 199, D – 80686 Munich

6. Declared performance:

Essential characteristic	Performance		Harmonized technical specification
Tolerances on dimensions and shape	Thickness Shape, dimensions	up to 50mm – EN 10029	EN 10025-3:2019
Yield strength	Nominal thickness (mm)	Values (MPa) min	
	≤16	275	
	>16≤40	265	
	>40≤63	255	
Tensile strength	Nominal thickness (mm)	Values (MPa)	
	≤100	min 370 max 510	
Elongation	Nominal thickness (mm)	Values (%) min	
	≤63	24	
Delivery condition	Normalizing rolling (+N)		
Impact energy, longitudinal specimen, KV at:	Values (J) min		
20°C	55		
0°C	47		
-10°C	43		
-20°C	40		
Weldability 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	

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
PJSC "ILYICH IRON AND STEEL WORKS OF MARIUPOL"

O. A. Gavrikov

Mariupol, 2020/03/16



14 6 -03- 2020

N 31/332

DECLARATION OF PERFORMANCE
according to Construction Products Regulation No.305/2011/EU,
Annex III
No.S275NL-CPR-12

1. Unique identification code of the product-type:
S275NL according to EN 10025-3:2019
 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
 4. System of AVCP:

System 2+
 - 5a. Harmonised standard:

EN 10025-1:2004
- Notified body:

№ 0036
TUV SUD Industrie Service GmbH, Westendstr. 199, D – 80686 Munich

6. Declared performance:

Essential characteristic	Performance		Harmonized technical specification
Tolerances on dimensions and shape	Thickness Shape, dimensions	up to 50mm – EN 10029	EN 10025-3:2019
Yield strength	Nominal thickness (mm)	Values (MPa) min	
	≤16	275	
	>16≤40	265	
	>40≤63	255	
Tensile strength	Nominal thickness (mm)	Values (MPa)	
	≤100	min 370 max 510	
Elongation	Nominal thickness (mm)	Values (%) min	
	≤63	24	
Delivery condition	Normalizing rolling (+N)		
Impact energy, longitudinal specimen, KV at:	Values (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)	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	

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

PJSC "ILYICH IRON AND STEEL WORKS OF MARIUPOL"

O. A. Gavrikov

Mariupol, 2020/03/16



16-03-2020

N 31/332

DECLARATION OF PERFORMANCE
according to Construction Products Regulation No.305/2011/EU,
Annex III
No.S355N-CPR-13

1. Unique identification code of the product-type:

S355N according to EN 10025-3:2019

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

4. System of AVCP:

System 2+

- 5a. Harmonised standard:

EN 10025-1:2004

- Notified body:

№ 0036

TUV SUD Industrie Service GmbH, Westendstr. 199, D – 80686 Munich

6. Declared performance:

Essential characteristic	Performance			Harmonized technical specification
Tolerances on dimensions and shape	Thickness Shape, dimensions	up to 50mm – EN 10029		EN 10025-3:2019
Yield strength	Nominal thickness (mm)	Values (MPa) min		
	≤16	355		
	>16≤40	345		
	>40≤63	335		
Tensile strength	Nominal thickness (mm)	Values (MPa)		
	≤100	min 470	max 630	
Elongation	Nominal thickness (mm)	Values (%) min		
	≤63	22		
Delivery condition	Normalizing rolling (+N)			
Impact energy, longitudinal specimen, KV at:	Values (J) min			
20°C	55			
0°C	47			
-10°C	43			
-20°C	40			
Weldability 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:

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

 **O. A. Gavrikov**

Mariupol, 2020/03/16



16-03-2020

N 31/332

DECLARATION OF PERFORMANCE
according to Construction Products Regulation No.305/2011/EU,
Annex III
No.S355NL-CPR-14

1. Unique identification code of the product-type:

S355NL according to EN 10025-3:2019

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

4. System of AVCP:

System 2+

- 5a. Harmonised standard:

EN 10025-1:2004

Notified body:

№ 0036

TUV SUD Industrie Service GmbH, Westendstr. 199, D – 80686 Munich

6. Declared performance:

Essential characteristic	Performance		Harmonized technical specification
Tolerances on dimensions and shape	Thickness Shape, dimensions	up to 50mm – EN 10029	EN 10025-3:2019
Yield strength	Nominal thickness (mm)	Values (MPa) min	
	≤16	355	
	>16≤40	345	
	>40≤63	335	
Tensile strength	Nominal thickness (mm)	Values (MPa)	
	≤100	min 470 max 630	
Elongation	Nominal thickness (mm)	Values (%) min	
	≤63	22	
Delivery condition	Normalizing rolling (+N)		
Impact energy, longitudinal specimen, KV at:	Values (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)	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	

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

PJSC "ILYICH IRON AND STEEL WORKS OF MARIUPOL"

O. A. Gavrikov

Mariupol, 2020/03/16



16-03-2020

N 31/332

DECLARATION OF PERFORMANCE
according to Construction Products Regulation No.305/2011/EU,
Annex III
No.S420N-CPR-15

1. Unique identification code of the product-type:
S420N according to EN 10025-3:2019
 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
 4. System of AVCP:
System 2+
 - 5a. Harmonised standard:
EN 10025-1:2004
- Notified body:
№ 0036
TUV SUD Industrie Service GmbH, Westendstr. 199, D – 80686 Munich

6. Declared performance:

Essential characteristic	Performance			Harmonized technical specification
Tolerances on dimensions and shape	Thickness Shape, dimensions	up to 50mm – EN 10029		EN 10025-3:2019
Yield strength	Nominal thickness (mm)	Values (MPa) min		
	≤16	420		
	>16≤40	400		
	>40≤63	390		
Tensile strength	Nominal thickness (mm)	Values (MPa)		
	≤100	min 520	max 680	
Elongation	Nominal thickness (mm)	Values (%) min		
	≤63	19		
Delivery condition	Normalizing rolling (+N)			
Impact energy, longitudinal specimen, KV at:	Values (J) min			
20°C	55			
0°C	47			
-10°C	43			
-20°C	40			
Weldability 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		

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
PJSC "ILYICH IRON AND STEEL WORKS OF MARIUPOL"

O. A. Gavrikov

Mariupol, 2020/03/16



16-03-2020

N 31/332

DECLARATION OF PERFORMANCE
according to Construction Products Regulation No.305/2011/EU,
Annex III
No.S420NL-CPR-16

1. Unique identification code of the product-type:

S420NL according to EN 10025-3:2019

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

4. System of AVCP:

System 2+

- 5a. Harmonised standard:

EN 10025-1:2004

- Notified body:

№ 0036

TUV SUD Industrie Service GmbH, Westendstr. 199, D – 80686 Munich

6. Declared performance:

Essential characteristic	Performance			Harmonized technical specification
Tolerances on dimensions and shape	Thickness Shape, dimensions	up to 50mm – EN 10029		EN 10025-3:2019
Yield strength	Nominal thickness (mm)	Values (MPa) min		
	≤16	420		
	>16≤40	400		
	>40≤63	390		
Tensile strength	Nominal thickness (mm)	Values (MPa)		
	≤100	min 520	max 680	
Elongation	Nominal thickness (mm)	Values (%) min		
	≤63	19		
Delivery condition	Normalizing rolling (+N)			
Impact energy, longitudinal specimen, KV at:	Values (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)	Values (%) max		
	≤63	0,48		
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		

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
PJSC “ILYICH IRON AND STEEL WORKS OF MARIUPOL”

О. А. Gavrikov

Mariupol, 2020/03/16



16-03-2020

N 31/332

DECLARATION OF PERFORMANCE
according to Construction Products Regulation No.305/2011/EU,
Annex III
No.S460N-CPR-17

1. Unique identification code of the product-type:

S460N according to EN 10025-3:2019

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

4. System of AVCP:

System 2+

- 5a. Harmonised standard:

EN 10025-1:2004

- Notified body:

№ 0036

TUV SUD Industrie Service GmbH, Westendstr. 199, D – 80686 Munich

6. Declared performance:

Essential characteristic	Performance			Harmonized technical specification
Tolerances on dimensions and shape	Thickness Shape, dimensions	up to 50mm – EN 10029		EN 10025-3:2019
Yield strength	Nominal thickness (mm)	Values (MPa) min		
	≤16	460		
	>16≤40	440		
	>40≤63	430		
Tensile strength	Nominal thickness (mm)	Values (MPa)		
	≤100	min 540	max 720	
Elongation	Nominal thickness (mm)	Values (%) min		
	≤63	17		
Delivery condition	Normalizing rolling (+N)			
Impact energy, longitudinal specimen, KV at:	Values (J) min			
20°C	55			
0°C	47			
-10°C	43			
-20°C	40			
Weldability CEV	Nominal thickness (mm)	Values (%) 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		

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
PJSC "ILYICH IRON AND STEEL WORKS OF MARIUPOL"



 **O. A. Gavrikov**

Mariupol, 2020/03/16

16-03-2020

N 31/332

DECLARATION OF PERFORMANCE
according to Construction Products Regulation No.305/2011/EU,
Annex III
No.S460NL-CPR-18

1. Unique identification code of the product-type:

S460NL according to EN 10025-3:2019

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

4. System of AVCP:

System 2+

- 5a. Harmonised standard:

EN 10025-1:2004

- Notified body:

№ 0036

TUV SUD Industrie Service GmbH, Westendstr. 199, D – 80686 Munich

6. Declared performance:

Essential characteristic	Performance			Harmonized technical specification
Tolerances on dimensions and shape	Thickness Shape, dimensions	up to 50mm – EN 10029		EN 10025-3:2019
Yield strength	Nominal thickness (mm)	Values (MPa) min		
	≤16	460		
	>16≤40	440		
	>40≤63	430		
Tensile strength	Nominal thickness (mm)	Values (MPa)		
	≤100	min 540	max 720	
Elongation	Nominal thickness (mm)	Values (%) min		
	≤63	17		
Delivery condition	Normalizing rolling (+N)			
Impact energy, longitudinal specimen, KV at:	Values (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)	Values (%) 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		

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
PJSC "ILYICH IRON AND STEEL WORKS OF MARIUPOL"



O. A. Gavrikov

Mariupol, 2020/03/16