

8 6 -01- 2022

N31/9

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

No.S275M-CPR-19

1. Unique identification code of the product-type:

S275M

2. Intended use:

**to be used in metal structures from weldable fine grain structural steels after
thermomechanical rolling**

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)	
	<40	370 min.	530 max.
	≥40≤63	360 min.	520 max.
Elongation	Value (%) min.		
	24		
Delivery condition	Thermomechanical rolled (TM)		
Impact energy on transverse test specimens, KV at	Values (J) min.		
20°C	55		
0°C	47		
-10°C	43		
-20°C	40		
CEV	Nominal thickness (mm)	Values (%) max.	
	≤16	0.34	
	>16≤40	0.34	
	>40≤63	0.35	
Chemical composition	Values (%) max.	C: 0.15 Si: 0.55 Mn: 1.6 P: 0.030 S: 0.030 Nb: 0.06 V: 0.10 Ti: 0.06 Cr: 0.35 Ni: 0.35 Mo: 0.13 N: 0.017 Cu: 0.60	
	Value (%) 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 31/9

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

No.S275ML-CPR-20

1. Unique identification code of the product-type:

S275ML

2. Intended use:

**to be used in metal structures from weldable fine grain structural steels after
thermomechanical rolling**

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)	
	<40	370 min.	530 max.
	≥40≤63	360 min.	520 max.
Elongation	Value (%) min.		
	24		
Delivery condition	Thermomechanical rolled (TM)		
Impact energy on transverse test specimens 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		
CEV	Nominal thickness (mm)	Values (%) max.	
	≤16	0,34	
	>16≤40	0,34	
	>40≤63	0,35	
Chemical composition	Values (%) max.	C: 0,15 Si: 0,55 Mn: 1,6 P: 0,030 S: 0,025 Nb: 0,06 V: 0,10 Ti: 0,06 Cr: 0,35 Ni: 0,35 Mo: 0,13 N: 0,017 Cu: 0,60	
	Value (%) min.	Al total: 0,015	

EN 10025-1:2004

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Technology and Quality Director

PJSC "ILYICH IRON AND STEEL WORKS OF MARIUPOL"

E.V. Dunaev

Mariupol, 2022/01/06



06-01-2022

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

No.S355M-CPR-21

1. Unique identification code of the product-type:

S355M

2. Intended use:

**to be used in metal structures from weldable fine grain structural steels after
thermomechanical rolling**

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	355	
	>16≤40	345	
	>40≤63	335	
Tensile strength	Nominal thickness (mm)	Values (MPa)	
	<40	470 min.	630 max.
	≥40≤63	450 min.	610 max.
Elongation	Value (%) min.		
	22		
Delivery condition	Thermomechanical rolled (TM)		
Impact energy on transverse test specimens KV at	Values (J) min.		
20°C	55		
0°C	47		
-10°C	43		
-20°C	40		
CEV	Nominal thickness (mm)	Values (%) max.	
	≤16	0.39	
	>16≤40	0.39	
	>40≤63	0.40	
Chemical composition	Values (%) max.	C: 0.16 Si: 0.55 Mn: 1.7 P: 0.030 S: 0.030 Nb: 0.06 V: 0.12 Ti: 0.06 Cr: 0.35 Ni: 0.55 Mo: 0.13 N: 0.017 Cu: 0.60	
	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.

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Technology and Quality Director

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E.V. Dunaev

Mariupol, 2022/01/06



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N 31/9

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

No.S355ML-CPR-22

1. Unique identification code of the product-type:

S355ML

2. Intended use:

**to be used in metal structures from weldable fine grain structural steels after
thermomechanical rolling**

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	355	
	>16≤40	345	
	>40≤63	335	
Tensile strength	Nominal thickness (mm)	Values (MPa)	
	<40	470 min.	630 max.
	≥40≤63	450 min.	610 max.
Elongation	Values (%) min.		
	22		
Delivery condition	Thermomechanical rolled (TM)		
Impact energy on transverse test specimens 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		
CEV	Nominal thickness (mm)	Values (%) max.	
	≤16	0.39	
	>16≤40	0.39	
	>40≤63	0.40	
Chemical composition	Values (%) max.	C: 0.16 Si: 0.55 Mn: 1.7 P: 0.030 S: 0.025 Nb: 0.06 V: 0.12 Ti: 0.06 Cr: 0.35 Ni: 0.55 Mo: 0.13 N: 0.017 Cu: 0.60	
	Values (%) min.	Al _{total} : 0.015	

EN 10025-1:2004

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Technology and Quality Director

PJSC "ILYICH IRON AND STEEL WORKS OF MARIUPOL"

E.V. Dunaev

Mariupol, 2022/01/06



06-01-2022

N 31/9

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

No.S420M-CPR-23

1. Unique identification code of the product-type:

S420M

2. Intended use:

**to be used in metal structures from weldable fine grain structural steels after
thermomechanical rolling**

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	420	
	>16≤40	400	
	>40≤63	390	
Tensile strength	Nominal thickness (mm)	Values (MPa)	
	<40	520 min.	680 max.
	≥40≤63	500 min.	660 max.
Elongation	Value (%) min. 19		
Delivery condition	Thermomechanical rolled (TM)		
Impact energy on transverse test specimen KV at	Values (J) min		
20°C	55		
0°C	47		
-10°C	43		
-20°C	40		
CEV	Nominal thickness (mm)	Values (%) max.	
	≤16	0.43	
	>16≤40	0.45	
	>40≤63	0.46	
Chemical composition	Values (%) max.	C: 0.18 Si: 0.55 Mn: 1.8 P: 0.035 S: 0.030 Nb: 0.06 V: 0.14 Ti: 0.06 Cr: 0.35 Ni: 0.85 Mo: 0.23 N: 0.027 Cu: 0.60	
	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

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

No.S420ML-CPR-24

1. Unique identification code of the product-type:
S420ML
2. Intended use:
**to be used in metal structures from weldable fine grain structural steels after
thermomechanical rolling**
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	420	
	>16≤40	400	
	>40≤63	390	
Tensile strength	Nominal thickness (mm)	Values (MPa)	
	<40	520 min.	680 max.
	≥40≤63	500 min.	660 max.
Elongation	Value (%) min.		
	19		
Delivery condition	Thermomechanical rolled (TM)		
Impact energy on transverse test specimens 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		
CEV	Nominal thickness (mm)	Values (%) max.	
	≤16	0.43	
	>16≤40	0.45	
	>40≤63	0.46	
Chemical composition	Values (%) max.	C: 0.18 Si: 0.55 Mn: 1.8 P: 0.030 S: 0.025 Nb: 0.06 V: 0.14 Ti: 0.06 Cr: 0.35 Ni: 0.85 Mo: 0.23 N: 0.027 Cu: 0.60	
	Values (%) min.	Al total: 0.015	

EN 10025-1:2004

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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

n31/9

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

No.S460M-CPR-25

1. Unique identification code of the product-type:

S460M

2. Intended use:

**to be used in metal structures from weldable fine grain structural steels after
thermomechanical rolling**

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)	
	<40	540 min.	720 max.
	≥40≤63	530 min.	710 max.
Elongation	Value (%) min.		
	17		
Delivery condition	Thermomechanical rolled (TM)		
Impact energy on transverse test specimens KV at	Values (J) min.		
20°C	55		
0°C	47		
-10°C	43		
-20°C	40		
CEV	Nominal thickness (mm)	Values (%) max.	
	≤16	0.45	
	>16≤40	0.46	
	>40≤63	0.47	
Chemical composition	Values (%) max.	C: 0.18 Si: 0.65 Mn: 1.8 P: 0.035 S: 0.030 Nb: 0.06 V: 0.14 Ti: 0.06 Cr: 0.35 Ni: 0.85 Mo: 0.23 N: 0.027 Cu: 0.60	
	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.

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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 31/9

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

No.S460ML-CPR-26

1. Unique identification code of the product-type:
S460ML
 2. Intended use:
to be used in metal structures from weldable fine grain structural steels after thermomechanical rolling
 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)	
	<40	540 min.	720 max.
	≥40≤63	530 min.	710 max.
Elongation	Value (%) min. 17		
Delivery condition	Thermomechanical rolled (TM)		
Impact energy on transverse test specimens 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		
CEV	Nominal thickness (mm)	Values (%) max.	
	≤16	0.45	
	>16≤40	0.46	
	>40≤63	0.47	
Chemical composition	Values (%) max.	C: 0.18 Si: 0.65 Mn: 1.8 P: 0.030 S: 0.025 Nb: 0.06 V: 0.14 Ti: 0.06 Cr: 0.35 Ni: 0.85 Mo: 0.23 N: 0.027 Cu: 0.60	
	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.

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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

