

DECLARATION OF PERFORMANCE

No. **K-S235JR-03**

Unique identification code of the product-type:

PR0201

Intended use/es:

Metal structures or in composite metal and concrete structures.

Manufacturer:

Cognor S. A.
ul. Zielona 26 42-360 Poraj
Oddział Ferrostal Łabędy w Krakowie
ul. Ujastek 1, 31-752 Kraków

System/s of AVCP:

System 2+

Harmonised standard:

**PN-EN 10025-1 : 2007
IDT EN 10025-1 : 2004**

Notified body/ies:

Zakłady Badań i Atestacji „ZETOM” im. Prof. Fryderyka Stauba w Katowicach - 1436

Declared performance/s:

Essential characteristics	Performance							Harmonised technical specification	
Tolerances on dimensions and shape	Angles	PN-EN 10056-2							PN-EN 10025-1 : 2007 IDT EN 10025-1 : 2004
	Equal flange tees	PN-EN 10055							
	Channels	PN-EN 10279							
Elongation	Nominal thickness t [mm]	Values							
	3 ≤ t ≤ 7	min. 26 [%]							
Tensile strength Rm	Nominal thickness t [mm]	Values							
	3 ≤ t ≤ 7	360 ÷ 510 [MPa]							
Yield strength Re	Nominal thickness t [mm]	Values							
	3 ≤ t ≤ 7	min. 235 [MPa]							
Impact strength KV *	Nominal thickness t [mm]	Values							
	3 ≤ t ≤ 7	min. 27 [J]							
Weldability CEV	Nominal thickness t [mm]	Values							
	3 ≤ t ≤ 7	max. 0,35 [%]							
Durability (Chemical composition)	Nominal thickness t [mm]	Values [%]							
		C max	Si max	Mn max	P max **	S max **	N max ***	Cu max	
	3 ≤ t ≤ 7	0,17	-	1,40	0,035	0,035	0,012	0,55	

* The impact properties of quality JR products are verified only when specified at the time of the order; ** The P and S content can be 0,005 % higher;

*** The max. value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0,020 % or alternatively min. 0,015% acid soluble Al or if sufficient other N binding elements are present.

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

Piotr Kielb
Quality Control Manager



Kraków, 2017-02-21

EN

PQ.9-4/2

DECLARATION OF PERFORMANCE

No. **K-S355JR-03**

Unique identification code of the product-type:

PR0202

Intended use/es:

Metal structures or in composite metal and concrete structures.

Manufacturer:

Cognor S. A.
ul. Zielona 26 42-360 Poraj
Oddział Ferrostal Łabędy w Krakowie
ul. Ujastek 1, 31-752 Kraków

System/s of AVCP:

System 2+

Harmonised standard:

**PN-EN 10025-1 : 2007
IDT EN 10025-1 : 2004**

Notified body/ies:

Zakłady Badań i Atestacji „ZETOM” im. Prof. Fryderyka Stauba w Katowicach - 1436

Declared performance/s:

Essential characteristics	Performance							Harmonised technical specification	
Tolerances on dimensions and shape	Angles	PN-EN 10056-2							PN-EN 10025-1 : 2007 IDT EN 10025-1 : 2004
	Equal flange tees	PN-EN 10055							
	Channels	PN-EN 10279							
Elongation	Nominal thickness t [mm]	Values							
	3 ≤ t ≤ 7	min. 22 [%]							
Tensile strength Rm	Nominal thickness t [mm]	Values							
	3 ≤ t ≤ 7	470 ÷ 630 [MPa]							
Yield strength Re	Nominal thickness t [mm]	Values							
	3 ≤ t ≤ 7	min. 355 [MPa]							
Impact strength KV *	Nominal thickness t [mm]	Values							
	3 ≤ t ≤ 7	min. 27 [J]							
Weldability CEV	Nominal thickness t [mm]	Values							
	3 ≤ t ≤ 7	max. 0,45 [%]							
Durability (Chemical composition)	Nominal thickness t [mm]	Values [%]							
		C _{max}	Si _{max}	Mn _{max}	P _{max} **	S _{max} **	N _{max} ***	Cu _{max}	
	3 ≤ t ≤ 7	0,24	0,55	1,60	0,035	0,035	0,012	0,55	

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Piotr Kielb
Quality Control Manager



Kraków, 2017-02-21

EN

PQ.9-4/2

DECLARATION OF PERFORMANCE

No. **K-S355J0-03**

Unique identification code of the product-type:

PR0203

Intended use/es:

Metal structures or in composite metal and concrete structures.

Manufacturer:

Cognor S. A.
ul. Zielona 26 42-360 Poraj
Oddział Ferrostal Łabędy w Krakowie
ul. Ujastek 1, 31-752 Kraków

System/s of AVCP:

System 2+

Harmonised standard:

**PN-EN 10025-1 : 2007
IDT EN 10025-1 : 2004**

Notified body/ies:

Zakłady Badań i Atestacji „ZETOM” im. Prof. Fryderyka Stauba w Katowicach - 1436

Declared performance/s:

Essential characteristics	Performance							Harmonised technical specification	
Tolerances on dimensions and shape	Angles	PN-EN 10056-2							PN-EN 10025-1 : 2007 IDT EN 10025-1 : 2004
	Equal flange tees	PN-EN 10055							
	Channels	PN-EN 10279							
Elongation	Nominal thickness t [mm]	Values							
	3 ≤ t ≤ 7	min. 22 [%]							
Tensile strength Rm	Nominal thickness t [mm]	Values							
	3 ≤ t ≤ 7	470 ÷ 630 [MPa]							
Yield strength Re	Nominal thickness t [mm]	Values							
	3 ≤ t ≤ 7	min. 355 [MPa]							
Impact strength KV	Nominal thickness t [mm]	Values							
	3 ≤ t ≤ 7	min. 27 [J]							
Weldability CEV	Nominal thickness t [mm]	Values							
	3 ≤ t ≤ 7	max. 0,45 [%]							
Durability (Chemical composition)	Nominal thickness t [mm]	Values [%]							
		C _{max}	Si _{max}	Mn _{max}	P _{max} [*]	S _{max} [*]	N _{max} ^{**}	Cu _{max}	
	3 ≤ t ≤ 7	0,20	0,55	1,60	0,030	0,030	0,012	0,55	

* The P and S content can be 0,005 % higher; *** The max. value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0,020 % or alternatively min. 0,015% acid soluble Al or if sufficient other N binding elements are present.

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Signed for and on behalf of the manufacturer by:

Piotr Kielb
Quality Control Manager



DECLARATION OF PERFORMANCE

No. **K-S355J2-03**

Unique identification code of the product-type:

PR0204

Intended use/es:

Metal structures or in composite metal and concrete structures.

Manufacturer:

Cognor S. A.
ul. Zielona 26 42-360 Poraj
Oddział Ferrostał Łabędy w Krakowie
ul. Ujastek 1, 31-752 Kraków

System/s of AVCP:

System 2+

Harmonised standard:

PN-EN 10025-1 : 2007
IDT EN 10025-1 : 2004

Notified body/ies:

Zakłady Badań i Atestacji „ZETOM” im. Prof. Fryderyka Stauba w Katowicach - 1436

Declared performance/s:

Essential characteristics	Performance								Harmonised technical specification
Tolerances on dimensions and shape	Angles	PN-EN 10056-2							PN-EN 10025-1 : 2007 IDT EN 10025-1 : 2004
	Equal flange tees	PN-EN 10055							
	Channels	PN-EN 10279							
Elongation	Nominal thickness t [mm]	Values							
	3 ≤ t ≤ 7	min. 22 [%]							
Tensile strength Rm	Nominal thickness t [mm]	Values							
	3 ≤ t ≤ 7	470 ÷ 630 [MPa]							
Yield strength Re	Nominal thickness t [mm]	Values							
	3 ≤ t ≤ 7	min. 355 [MPa]							
Impact strength KV	Nominal thickness t [mm]	Values							
	3 ≤ t ≤ 7	min. 27 [J]							
Weldability CEV	Nominal thickness t [mm]	Values							
	3 ≤ t ≤ 7	max. 0,45 [%]							
Durability (Chemical composition)	Nominal thickness t [mm]	Values [%]							
		C _{max}	Si _{max}	Mn _{max}	P _{max} [*]	S _{max} [*]	N _{max} ^{**}	Cu _{max}	
	3 ≤ t ≤ 7	0,20	0,55	1,60	0,025	0,025	-	0,55	

* The P and S content can be 0,005 % higher; ** The max. value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0,020 % or alternatively min. 0,015% acid soluble Al or if sufficient other N binding elements are present.

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Signed for and on behalf of the manufacturer by:

Piotr Kielb
Quality Control Manager



DECLARATION OF PERFORMANCE

No. **P-S235JR-03**

Unique identification code of the product-type:

PR0301

Intended use/es:

Metal structures or in composite metal and concrete structures.

Manufacturer:

Cognor S. A.
ul. Zielona 26 42-360 Poraj
Oddział Ferrostal Łabędy w Krakowie
ul. Ujastek 1, 31-752 Kraków

System/s of AVCP:

System 2+

Harmonised standard:

**PN-EN 10025-1 : 2007
IDT EN 10025-1 : 2004**

Notified body/ies:

Zakłady Badań i Atestacji „ZETOM” im. Prof. Fryderyka Stauba w Katowicach - 1436

Declared performance/s:

Essential characteristics	Performance							Harmonised technical specification	
Tolerances on dimensions and shape	Flat bars	PN-EN 10058							PN-EN 10025-1 : 2007 IDT EN 10025-1 : 2004
	Square bars	PN-EN 10059							
	Round bars	PN-EN 10060							
Elongation	Nominal thickness t [mm]	Values							
	4 ≤ t ≤ 40	min. 26 [%]							
Tensile strength Rm	Nominal thickness t [mm]	Values							
	4 ≤ t ≤ 40	360 ÷ 510 [MPa]							
Yield strength Re	Nominal thickness t [mm]	Values							
	4 ≤ t ≤ 16	min. 235 [MPa]							
	16 < t ≤ 40	min. 225 [MPa]							
Impact strength KV *	Nominal thickness t [mm]	Values							
	4 ≤ t ≤ 40	min. 27 [J]							
Weldability CEV	Nominal thickness t [mm]	Values							
	4 ≤ t ≤ 40	max. 0,35 [%]							
Durability (Chemical composition)	Nominal thickness t [mm]	Values [%]							
		C _{max}	Si _{max}	Mn _{max}	P _{max} **	S _{max} **	N _{max} ***	Cu _{max}	
	4 ≤ t ≤ 40	0,17	-	1,40	0,035	0,035	0,012	0,55	

* The impact properties of quality JR products are verified only when specified at the time of the order; ** The P and S content can be 0,005 % higher;

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Signed for and on behalf of the manufacturer by:

Piotr Kielb
Quality Control Manager



Kraków, 2017-02-21

EN

PQ.9-4/2

DECLARATION OF PERFORMANCE

No. **P-S355JR-03**

Unique identification code of the product-type:

PR0302

Intended use/es:

Metal structures or in composite metal and concrete structures.

Manufacturer:

Cognor S. A.
ul. Zielona 26 42-360 Poraj
Oddział Ferrostal Łabędy w Krakowie
ul. Ujastek 1, 31-752 Kraków

System/s of AVCP:

System 2+

Harmonised standard:

**PN-EN 10025-1 : 2007
IDT EN 10025-1 : 2004**

Notified body/ies:

Zakłady Badań i Atestacji „ZETOM” im. Prof. Fryderyka Stauba w Katowicach - 1436

Declared performance/s:

Essential characteristics	Performance							Harmonised technical specification	
Tolerances on dimensions and shape	Flat bars	PN-EN 10058							PN-EN 10025-1 : 2007 IDT EN 10025-1 : 2004
	Square bars	PN-EN 10059							
	Round bars	PN-EN 10060							
Elongation	Nominal thickness t [mm]	Values							
	4 ≤ t ≤ 40	min. 22 [%]							
Tensile strength Rm	Nominal thickness t [mm]	Values							
	4 ≤ t ≤ 40	470 ÷ 630 [MPa]							
Yield strength Re	Nominal thickness t [mm]	Values							
	4 ≤ t ≤ 16	min. 355 [MPa]							
	16 < t ≤ 40	min. 345 [MPa]							
Impact strength KV *	Nominal thickness t [mm]	Values							
	4 ≤ t ≤ 40	min. 27 [J]							
Weldability CEV	Nominal thickness t [mm]	Values							
	4 ≤ t ≤ 30	max. 0,45 [%]							
	30 < t ≤ 40	max. 0,47 [%]							
Durability (Chemical composition)	Nominal thickness t [mm]	Values [%]							
	4 ≤ t ≤ 40	C max	Si max	Mn max	P max **	S max **	N max ***	Cu max	
	4 ≤ t ≤ 40	0,24	0,55	1,60	0,035	0,035	0,012	0,55	

* The impact properties of quality JR products are verified only when specified at the time of the order; ** The P and S content can be 0,005 % higher;

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Quality Control Manager



Kraków, 2017-02-21

EN

PQ.9-4/2

DECLARATION OF PERFORMANCE

No. **P-S355J0-03**

Unique identification code of the product-type:

PR0303

Intended use/es:

Metal structures or in composite metal and concrete structures.

Manufacturer:

Cognor S. A.
ul. Zielona 26 42-360 Poraj
Oddział Ferrostal Łabędy w Krakowie
ul. Ujastek 1, 31-752 Kraków

System/s of AVCP:

System 2+

Harmonised standard:

**PN-EN 10025-1 : 2007
IDT EN 10025-1 : 2004**

Notified body/ies:

Zakłady Badań i Atestacji „ZETOM” im. Prof. Fryderyka Stauba w Katowicach - 1436

Declared performance/s:

Essential characteristics	Performance							Harmonised technical specification	
Tolerances on dimensions and shape	Flat bars	PN-EN 10058							PN-EN 10025-1 : 2007 IDT EN 10025-1 : 2004
	Square bars	PN-EN 10059							
	Round bars	PN-EN 10060							
Elongation	Nominal thickness t [mm]	Values							
	4 ≤ t ≤ 40	min. 22 [%]							
Tensile strength Rm	Nominal thickness t [mm]	Values							
	4 ≤ t ≤ 40	470 ÷ 630 [MPa]							
Yield strength Re	Nominal thickness t [mm]	Values							
	4 ≤ t ≤ 16	min. 355 [MPa]							
	16 < t ≤ 40	min. 345 [MPa]							
Impact strength KV	Nominal thickness t [mm]	Values							
	4 ≤ t ≤ 40	min. 27 [J]							
Weldability CEV	Nominal thickness t [mm]	Values							
	4 ≤ t ≤ 30	max. 0,45 [%]							
	30 < t ≤ 40	max. 0,47 [%]							
Durability (Chemical composition)	Nominal thickness t [mm]	Values [%]							
	4 ≤ t ≤ 40	C _{max}	Si _{max}	Mn _{max}	P _{max} [*]	S _{max} [*]	N _{max} ^{**}	Cu _{max}	
		0,20	0,55	1,60	0,030	0,030	0,012	0,55	

* The P and S content can be 0,005 % higher; *** The max. value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0,020 % or alternatively min. 0,015% acid soluble Al or if sufficient other N binding elements are present.

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Piotr Kielb
Quality Control Manager



Kraków, 2017-02-21

EN

PQ.9-4/2

DECLARATION OF PERFORMANCE

No. **P-S355J2-03**

Unique identification code of the product-type:

PR0304

Intended use/es:

Metal structures or in composite metal and concrete structures.

Manufacturer:

Cognor S. A.
ul. Zielona 26 42-360 Poraj
Oddział Ferrostał Łabędy w Krakowie
ul. Ujastek 1, 31-752 Kraków

System/s of AVCP:

System 2+

Harmonised standard:

**PN-EN 10025-1 : 2007
IDT EN 10025-1 : 2004**

Notified body/ies:

Zakłady Badań i Atestacji „ZETOM” im. Prof. Fryderyka Stauba w Katowicach - 1436

Declared performance/s:

Essential characteristics	Performance							Harmonised technical specification	
Tolerances on dimensions and shape Elongation	Flat bars	PN-EN 10058							PN-EN 10025-1 : 2007 IDT EN 10025-1 : 2004
	Square bars	PN-EN 10059							
	Round bars	PN-EN 10060							
Tensile strength Rm	Nominal thickness t [mm]	Values							
	4 ≤ t ≤ 40	min. 22 [%]							
Yield strength Re	Nominal thickness t [mm]	Values							
	4 ≤ t ≤ 40	470 ÷ 630 [MPa]							
Impact strength KV	Nominal thickness t [mm]	Values							
	4 ≤ t ≤ 16	min. 355 [MPa]							
	16 < t ≤ 40	min. 345 [MPa]							
Weldability CEV	Nominal thickness t [mm]	Values							
	4 ≤ t ≤ 40	min. 27 [J]							
Durability (Chemical composition)	Nominal thickness t [mm]	Values							
	4 ≤ t ≤ 30	max. 0,45 [%]							
	30 < t ≤ 40	max. 0,47 [%]							
Tolerances on dimensions and shape	Nominal thickness t [mm]	Values [%]							
	4 ≤ t ≤ 40	C _{max}	Si _{max}	Mn _{max}	P _{max} [*]	S _{max} [*]	N _{max} ^{**}	Cu _{max}	
		0,20	0,55	1,60	0,025	0,025	-	0,55	

* The P and S content can be 0,005 % higher; *** The max. value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0,020 % or alternatively min. 0,015% acid soluble Al or if sufficient other N binding elements are present.

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Quality Control Manager



Kraków, 2017-02-21

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PQ.9-4/2