

**Inspection certificate 3.1  
DIN EN 10204**

(A02)

No. (A03)

**1326851**

Page

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Date

28.06.2022

No. (A07) 41733

08.03.2022

No. (A07)

Purchaser Oy Alusteel Ab

Customer Oy Alusteel Ab

(A06) 23500 UUSIKAUPUNKI  
FINNLAND(A06) 23500 UUSIKAUPUNKI  
FINNLANDProduct Heavy plate  
(B01)Works order No. 0000110810  
(A08)

Dispatch note No. 0090229120

27.06.2022

Steel grade and terms of delivery S355K2+N

Inspection

WS

(B02-B03)

DIN EN 10025-2 10/19

HRP-S355K2-SAL vom 07.02.2022

DIN EN 10029 B 02/11

DIN EN 10163-2 Kl. B UG3 03/05

2382244

Marking of the product (B06)

Trademark/Steelgrade/Heat-No/Product-No/  
inspector`s stamp**Material data (B01-B99)**

Item	Quantity (B08)	Product No. (B07)	Heat No. (B07)	Cond. of delivery (B04)	Thickness x Width x Length (B09-B11)	mm x mm x mm
21	1	398116 1	671971	N	45,00 x 2000,0 x 6000	
21	1	398116 2	671971	N	45,00 x 2000,0 x 6000	
21	1	398117 1	671971	N	45,00 x 2000,0 x 6000	
21	1	398117 2	671971	N	45,00 x 2000,0 x 6000	
Σ	4	Weight (B12)	17.280 kgs	N: normalized		

Dimensional check and visual examination of the surface condition:  
without objection**Ladle analysis (C70-C99)**

Manufacturer standard

Heat No. (B07)	C %	Si %	Mn %	P %	S %	N %	Al %	Cu %	Cr %	Ni %
671971	≤0,22	≤0,55	≤1,60	≤0,025	≤0,025			≤0,55		
671971	0,16	0,18	1,52	0,013	0,001	0,004	0,039	0,02	0,04	0,03
Heat No. (B07)	Mo %	V %	Ti %	Nb %	EV1 1) %					
671971	≤0,08	≤0,10			≤0,45					
671971	0,01	0	0,003	0,02	0,43					

1) EV1 : CEV=C+Mn/6+Mo/5+Ni/15+Cr/5+V/5+Cu/15

Steel making: Basic oxygen process  
(C70)We hereby certify that the delivered material complies with the terms of the order.  
(Z01)

QM-System: Certification as per ISO 9001 since 28 February 1990

Trademark  
(A04)Isenburger Grobblech GmbH  
Veckenstedter Weg 10  
D-38871 Isenburg  
(A01)Inspection Stamp  
(Z03)Inspection Representative  
(Z02)

Cyron

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(A02)

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Date 28.06.2022No. (A07) 41733  
Purchaser Oy Alusteel Ab  
(A06) 23500 UUSIKAUPUNKI  
FINNLAND08.03.2022 No. (A07)  
Customer Oy Alusteel Ab  
(A06) 23500 UUSIKAUPUNKI  
FINNLANDProduct Heavy plate  
(B01)Works order No. 0000110810  
(A08)Dispatch note No. 0090229120  
27.06.2022Steel grade and terms of delivery S355K2+N  
(B02-B03) DIN EN 10025-2 10/19  
HRP-S355K2-SAL vom 07.02.2022  
DIN EN 10029 B 02/11  
DIN EN 10163-2 Kl. B UG3 03/05  
2382244Inspection WS  
(A05)**Tensile test (C10-C29)**

Specimen No. (C00)	Heat No. (B07)	Location (C01)	Direct. (C02)	Cond. (B05)	Type (C10)	Yield point (C11) ReH MPa ≥ 335	Tensile strength (C12) Rm MPa 470 - 630	ReH/Rm	Elongation (C13) A5 7) % ≥ 19	
398117	671971	K4G	Q	N	P	395	551	0,72	28	

1) K: Top  
2) 4: 1/4 Width  
3) G: Thickness of product  
4) Q: transversal5) N: normalized  
6) P: prismatic  
7) A5: Lo=5,65√So**Impact test (C40-C49)**

Specimen No. (C00)	Heat No. (B07)	Location (C01)	Direct. (C02)	Cond. (B05)	Type of specimen (C40-C41)	Temperature (C03) °C	Impact energy (C42-C43) J				MW 6) J ≥ 40
		1) 2) 3)	4)	5)			1	2	3		
398117	671971	K4O	L	N	KV600	-020	203	233	242		226

1) K: Top  
2) 4: 1/4 Width  
3) O: near surface4) L: longitudinal  
5) N: normalized  
6) MW: Average

Our products are free of radioactive substances and do not exceed the clearing limit value of 100 Bq/kg, which guarantees the compliance with limit values given in the Radiation Protection Ordinance (StrlSchV) for the unrestricted clearance of solid material (StrlSchV Annex III, Section 5) for ferrous nuclides.

EPD acc. to EN 15804 + A2 &amp; ISO 14025

We hereby certify that the delivered material complies with the terms of the order.  
(Z01)

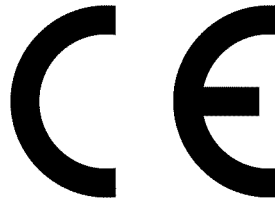
QM-System: Certification as per ISO 9001 since 28 February 1990

Trademark  
(A04)Ilseburger Grobblech GmbH  
Veckenstedter Weg 10  
D-38871 Ilseburg  
(A01)Inspection Stamp  
(Z03)Inspection Representative  
(Z02)

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Date 28.06.2022



0045

**Ilsenburger Grobblech GmbH**  
**Veckenstedter Weg 10**  
**D-38871 Ilsenburg**

**13**

0045-CPR-0673  
DoP: ILGS355K2-CPR-10025-01052022

**EN 10025-1 2004**

Warmgewalzte Baustahlprodukte  
Hot rolled structural steel products  
Produits en acier de construction laminé à chaud

Vorgesehene Verwendungen:	Hochbauten und Ingenieurbauwerke
Intended uses:	Building constructions or civil engineering
Usages prévus:	Construction de bâtiments ou génie civil

Grenzabmaße und Formtoleranzen:	Warmgewalztes Grobblech
Tolerances on dimensions and shape:	Hot rolled heavy plates
Tolérances sur les dimensions et la forme:	Tôles fortes
	refendues laminées à chaud: EN 10029

Dehnung / Elongation / Élongation:	
Zugfestigkeit / Tensile strength /	
Résistance à la traction:	
Streckgrenze / Yield strenght / Limite d'élasticité:	S355K2+N
Kerbschlagarbeit / Impact strenght /	DIN EN 10025-2
Résistance au choc:	
Schweißbarkeit / Weldability / Soudabilité:	

Dauerhaftigkeit:	Keine Leistung festgestellt
Durability:	No performance determined
Durabilité:	Aucune performance déterminée

Regulierter Stoff:	Keine Leistung festgestellt
Regulated substance:	No performance determined
Substance Réglementée:	Aucune performance déterminée

Die Leistungserklärung (DoP) gemäß EU-Verordnung 305/2011, Anhang III kann unter [www.ilsenburger-grobblech.de/de/produkte/qualitaetsphilosophie-ims/zertifikate](http://www.ilsenburger-grobblech.de/de/produkte/qualitaetsphilosophie-ims/zertifikate) abgerufen werden.

The Declaration of Performance (DoP) in acc. with EU-Regulation 305/2011, Annex III is available under [www.ilsenburger-grobblech.de/en/produkte/qualitaetsphilosophie-ims/zertifikate](http://www.ilsenburger-grobblech.de/en/produkte/qualitaetsphilosophie-ims/zertifikate)