

**Inspection certificate 3.1
DIN EN 10204**

(A02)

No. (A03)

1326849

Page

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Date

28.06.2022

No. (A07) 41733

08.03.2022

No. (A07)

Purchaser Oy Alusteel Ab
(A06) 23500 UUSIKAUPUNKI
FINNLANDCustomer Oy Alusteel Ab
(A06) 23500 UUSIKAUPUNKI
FINNLANDProduct Heavy plate
(B01)Works order No. 0000110810
(A08)Steel 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
2382410

Dispatch note No. 0090229120

27.06.2022

Inspection

(A05)

WS

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
19	1	398096 1	623785	N	35,00 x 2000,0 x 6000	
19	1	398096 2	623785	N	35,00 x 2000,0 x 6000	
19	1	398096 3	623785	N	35,00 x 2000,0 x 6000	
19	1	398097 1	623785	N	35,00 x 2000,0 x 6000	
19	1	398097 2	623785	N	35,00 x 2000,0 x 6000	
19	1	398097 3	623785	N	35,00 x 2000,0 x 6000	
19	1	398169 1	18761	N	35,00 x 2000,0 x 6000	
19	1	398169 2	18761	N	35,00 x 2000,0 x 6000	
19	1	398170 1	18217	N	35,00 x 2000,0 x 6000	
19	1	398170 2	18217	N	35,00 x 2000,0 x 6000	
Σ	10	Weight (B12)	33.600 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 %
	≤0,22	≤0,55	≤1,60	≤0,025	≤0,025			≤0,55		
18217	0,17	0,23	1,55	0,011	0,002	0,005	0,035	0,04	0,05	0,03
18761	0,15	0,27	1,55	0,015	0,003	0,003	0,039	0,06	0,06	0,05
623785	0,17	0,20	1,56	0,016	0,001	0,004	0,034	0,02	0,04	0,03
Heat No. (B07)	Mo %	V %	Ti %	Nb %	EV1 1) %					
	≤0,08	≤0,10			≤0,45					
18217	0,01	0,002	0,004	0,03	0,45					
18761	0,01	0,001	0,003	0,03	0,43					
623785	0,01	0	0,01	0,02	0,44					

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

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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(A06) 23500 UUSIKAUPUNKI (A06) 23500 UUSIKAUPUNKI
FINNLAND FINNLAND

Product Heavy plate
(B01)

Works order No. 0000110810
(A08)

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Steel making: Basic oxygen process
(C70)

Tensile test (C10-C29)

Specimen No. (C00)	Heat No. (B07)	Location (C01)	Direct. (C02)	Cond. (B05)	Type (C10)	Yield point (C11) ReH MPa ≥ 345	Tensile strength (C12) Rm MPa 470 - 630	ReH/Rm	Elongation (C13) A5 7) % ≥ 20
397145 *)	623785	K4G	Q	N	P	414	570	0,73	29
398169	18761	K4G	Q	N	P	409	572	0,72	27
398170	18217	K4G	Q	N	P	409	554	0,74	29

- 1) K: Top
2) 4: 1/4 Width
3) G: Thickness of product
4) Q: transversal
*) The sample product is not part of the delivery
- 5) N: normalized
6) P: prismatic
7) A5: $Lo=5,65 \sqrt{So}$

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)			
		1) 2) 3)	4)	5)			1	2	3	MW 6)
397145 *)	623785	K40	L	N	KV600	-020	254	253	257	255
398169	18761	K40	L	N	KV600	-020	244	220	235	233
398170	18217	K40	L	N	KV600	-020	229	229	190	216

- 1) K: Top
2) 4: 1/4 Width
3) 0: near surface
*) The sample product is not part of the delivery
- 4) L: longitudinal
5) N: normalized
6) MW: Average

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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FINNLAND FINNLAND

Product Heavy plate
(B01)

Works order No. 0000110810
(A08)

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Inspection WS
(A05)

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 & ISO 14025

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(Z01)

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Trademark
(A04)

Isenburger Grobblech GmbH
Veckenstedter Weg 10
D-38871 Isenburg
(A01)



Inspection Stamp
(Z03)



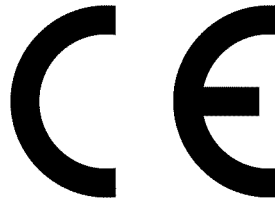
Inspection Representative
(Z02)

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0045

Ilseburger Grobblech GmbH
Veckenstedter Weg 10
D-38871 Ilseburg

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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 strength / Limite d'élasticité: S355K2+N
Kerbschlagarbeit / Impact strength / | 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.ilseburger-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.ilseburger-grobblech.de/en/produkte/qualitaetsphilosophie-ims/zertifikate