

**Inspection certificate 3.1
DIN EN 10204**

(A02)

No. (A03)

1326841

Page

1/4

Date

28.06.2022

No. (A07) 41733

08.03.2022

No. (A07)

 Purchaser Oy Alusteel Ab
 (A06) 23500 UUSIKAUPUNKI
 FINNLAND

 Customer Oy Alusteel Ab
 (A06) 23500 UUSIKAUPUNKI
 FINNLAND

 Product Heavy plate
 (B01)

Works order No. 0000110810

(A08)

Dispatch note No. 0090229120

27.06.2022

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
 2382310

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
11	1	395558 1	43954	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	395558 2	43954	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	395558 3	43954	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	395559 1	623800	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	395559 2	623800	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	395559 3	623800	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	395559 4	623800	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	395560 1	623800	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	395560 2	623800	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	395560 3	623800	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	395561 1	43954	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	395561 2	43954	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	395561 3	43954	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	395562 1	43954	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	395562 2	43954	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	395562 3	43954	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	395562 4	43954	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	395563 1	43954	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	395563 2	43954	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	395563 3	43954	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	395563 4	43954	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	395564 1	623800	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	395564 2	623800	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	395564 3	623800	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	397956 1	72548	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	397956 2	72548	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	397956 3	72548	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	397956 4	72548	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	397957 1	43954	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	397957 2	43954	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	397957 3	43954	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	397957 4	43954	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	400113 1	44082	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
11	1	400113 2	44082	N	15,00 x 2000,0 x 6000	15,00	x	2000,0	x	6000
Σ	34	Weight (B12)	48.960	kgs	N: normalized					

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

**Inspection certificate 3.1
DIN EN 10204**

(A02)

No. (A03)

1326841

Page

2/4

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)

Dispatch note No. 0090229120

27.06.2022

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
2382310

Inspection

(A05)

WS

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 %
	≤0,20	≤0,55	≤1,60	≤0,025	≤0,025			≤0,55		
43954	0,15	0,25	1,53	0,012	0,008	0,003	0,037	0,06	0,04	0,05
44082	0,16	0,28	1,60	0,013	0,007	0,004	0,031	0,07	0,05	0,05
623800	0,17	0,19	1,53	0,013	0,001	0,005	0,035	0,03	0,04	0,03
72548	0,17	0,30	1,57	0,014	0,003	0,004	0,029	0,03	0,04	0,04
Heat No. (B07)	Mo %	V %	Ti %	Nb %	EV1 1) %					
	≤0,08	≤0,10			≤0,45					
43954	0,01	0,002	0,002	0,001	0,42					
44082	0,01	0,001	0,002	0,001	0,45					
623800	0,01	0,001	0,003	0,001	0,44					
72548	0,01	0,004	0,002	0,001	0,45					

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

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 ≥ 355	Tensile strength (C12) Rm MPa 470 - 630	ReH/Rm	Elongation (C13) A5 7) % ≥ 20
395485 *) 395560	43954 623800	K4G K4G	Q Q	N N	P P	389 391	537 550	0,72 0,71	28 32

1) K: Top

5) N: normalized

2) 4: 1/4 Width

6) P: prismatic

3) G: Thickness of product

7) A5: $Lo=5,65 \sqrt{So}$

4) Q: transversal

*) The sample product is not part of the delivery

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 Ilseburg
(A01)Inspection Stamp
(Z03)Inspection Representative
(Z02)

Cyron



**Inspection certificate 3.1
DIN EN 10204**

(A02)

No. (A03) **1326841**
Page 3/4
Date 28.06.2022

No. (A07) 41733 08.03.2022 No. (A07)
Purchaser Oy Alusteel Ab Customer Oy Alusteel Ab
(A06) 23500 UUSIKAUPUNKI (A06) 23500 UUSIKAUPUNKI
FINNLAND FINNLAND

Product 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
2382310

Dispatch note No. 0090229120
27.06.2022
Inspection 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 ≥ 355	Tensile strength (C12) Rm MPa 470 - 630	ReH/Rm	Elongation (C13) A5 7) % ≥ 20
397949 *) 397956	44082 72548	K4G K4G	Q Q	N N	P P	426 424	567 561	0,75 0,76	29 28

- 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 √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)
395485 *) 395560	43954 623800	K40 K40	L L	N N	KV600 KV600	-020 -020	90 218	178 204	150 203	139 208
397949 *) 397956	44082 72548	K40 K40	L L	N N	KV600 KV600	-020 -020	142 158	155 187	136 192	144 179

- 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

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

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)



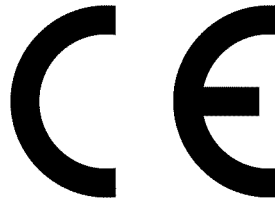
Inspection Representative
(Z02)

Cyron



Inspection certificate 3.1
DIN EN 10204
(A02)

No. (A03) **1326841**
Page 4/4
Date 28.06.2022



0045

Ilseburger Grobblech GmbH
Veckenstedter Weg 10
D-38871 Ilseburg

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 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