



**Inspection certificate 3.1
DIN EN 10204**

(A02)

No. (A03)

1326848

Page

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Date

28.06.2022

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

08.03.2022 No. (A07)

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
2382390

Inspection WS
(A05)

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
18	1	398077 1	671971	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	398077 2	671971	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	398078 1	671971	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	398078 2	671971	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	398079 1	623784	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	398079 2	623784	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	398080 1	44067	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	398080 2	44067	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	398080 3	44067	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	398081 1	44067	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	398081 2	44067	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	398081 3	44067	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	398082 1	44067	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	398082 2	44067	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	398082 3	44067	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	398083 1	44067	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	398083 2	44067	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	398083 3	44067	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	398084 1	623784	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	398084 2	623784	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	398085 1	43907	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	398085 2	43907	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	398086 1	16101	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	400233 1	18761	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	400233 2	18761	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	402789 1	44067	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	402789 2	44067	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	402790 1	44067	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	402790 2	44067	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	402791 1	44067	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
18	1	402791 2	44067	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
Σ	31	Weight (B12)	89.280	kgs	N: normalized					

Dimensional check and visual examination of the surface condition:
without objection

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)

1326848

Page

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Date

28.06.2022

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

08.03.2022 No. (A07)

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
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2382390

Inspection WS
(A05)

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		
16101	0,17	0,30	1,53	0,012	0,007	0,006	0,036	0,03	0,03	0,04
18761	0,15	0,27	1,55	0,015	0,003	0,003	0,039	0,06	0,06	0,05
43907	0,17	0,22	1,53	0,013	0,002	0,006	0,036	0,01	0,03	0,03
44067	0,16	0,27	1,57	0,019	0,009	0,005	0,033	0,06	0,06	0,04
623784	0,17	0,18	1,50	0,012	0,002	0,005	0,033	0,02	0,04	0,03
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) %
	≤0,08	≤0,10			≤0,45
16101	0,003	0,002	0,002	0,03	0,44
18761	0,01	0,001	0,003	0,03	0,43
43907	0,002	0,003	0,002	0,02	0,43
44067	0,01	0,002	0,002	0,03	0,44
623784	0,01	0	0,01	0,02	0,43
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)

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
363206 *) 394270 *)	16101 623784	K4G K4G	Q Q	N N	P P	478 421	599 563	0,80 0,75	25 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: $Lo=5,65 \sqrt{So}$

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		No. (A03)	1326848
DIN EN 10204		Page	3/5
(A02)		Date	28.06.2022
No. (A07)	41733	08.03.2022	No. (A07)
Purchaser (A06)	Oy Alusteel Ab 23500 UUSIKAUPUNKI FINNLAND		Customer (A06) Oy Alusteel Ab 23500 UUSIKAUPUNKI FINNLAND
Product (B01)	Heavy plate		Works order No. (A08) 0000110810
Steel grade and terms of delivery (B02-B03)	S355K2+N 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 2382390		Dispatch note No. 0090229120 27.06.2022 Inspection (A05) WS

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
394720 *)	43907	K4G	Q	N	P	434	576	0,75	27
398077	671971	K4G	Q	N	P	405	552	0,73	33
398282 *)	18761	K4G	Q	N	P	428	570	0,75	28
400019 *)	44067	K4G	Q	N	P	461	591	0,78	25

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	MW 6) J ≥40
363206 *)	16101	K40	L	N	KV600	-020	193	183	177	184
394270 *)	623784	K40	L	N	KV600	-020	208	220	239	222
394720 *)	43907	K40	L	N	KV600	-020	219	195	211	208
398077	671971	K40	L	N	KV600	-020	243	270	235	249
398282 *)	18761	K40	L	N	KV600	-020	228	218	255	234
400019 *)	44067	K40	L	N	KV600	-020	174	165	169	169

1) K: Top
 2) 4: 1/4 Width
 3) 0: near surface
 *) The sample product is not part of the delivery

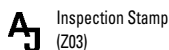
4) L: longitudinal
 5) N: normalized
 6) MW: Average

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



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



Inspection Representative
(Z02)

Cyron



**Inspection certificate 3.1
DIN EN 10204**

(A02)

No. (A03) **1326848**
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Date 28.06.2022

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

Oy Alusteel Ab
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
2382390

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)

Ilseburger 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) **1326848**
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Date 28.06.2022



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