



**Inspection certificate 3.1
DIN EN 10204**

(A02)

No. (A03)

1320974

Page

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Date

24.05.2022

No. (A07) 41638
Purchaser Oy Alusteel Ab
(A06) 23500 UUSIKAUPUNKI
FINNLAND

21.02.2022 No. (A07)

Customer Oy Alusteel Ab
(A06) 23500 UUSIKAUPUNKI
FINNLAND

Product Heavy plate
(B01)

Works order No. 0000110604
(A08)

Dispatch note No. 0090164874
23.05.2022

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
23	1	385657 1	17888	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	385657 2	17888	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	385657 3	17888	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	385658 1	17888	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	385658 2	17888	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	385658 3	17888	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	385659 1	17888	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	385659 2	17888	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	385659 3	17888	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	385660 1	622971	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	385660 2	622971	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	385660 3	622971	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	387316 1	66611	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	387317 1	622972	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	387317 2	622972	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	387318 1	671237	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	387318 2	671237	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	387319 1	622972	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	387319 2	622972	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	387320 1	622972	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	387320 2	622972	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	387321 1	71957	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	387321 2	71957	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	387321 3	71957	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	387322 1	71957	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	387322 2	71957	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	387322 3	71957	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	387323 1	71957	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	387323 2	71957	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	387323 3	71957	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	387324 1	17918	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	387324 2	17918	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	387324 3	17918	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	387325 1	17888	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	387325 2	17888	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000
23	1	387325 3	17888	N	30,00 x 2000,0 x 6000	30,00	x	2000,0	x	6000

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)

1320974

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Date

24.05.2022

No. (A07) 41638

21.02.2022

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. 0000110604
(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
2382390

Dispatch note No. 0090164874

23.05.2022

Inspection WS

(A05)

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
23	1	387326 1	671237	N	30,00 x 2000,0 x 6000					
23	1	387326 2	671237	N	30,00 x 2000,0 x 6000					
23	1	387327 1	622972	N	30,00 x 2000,0 x 6000					
23	1	387327 2	622972	N	30,00 x 2000,0 x 6000					
23	1	387328 1	17888	N	30,00 x 2000,0 x 6000					
23	1	387328 2	17888	N	30,00 x 2000,0 x 6000					
23	1	387328 3	17888	N	30,00 x 2000,0 x 6000					
23	1	388864 1	17918	N	30,00 x 2000,0 x 6000					
23	1	388864 2	17918	N	30,00 x 2000,0 x 6000					
23	1	388865 1	17918	N	30,00 x 2000,0 x 6000					
23	1	388865 2	17918	N	30,00 x 2000,0 x 6000					
23	1	388866 1	17917	N	30,00 x 2000,0 x 6000					
23	1	388866 2	17917	N	30,00 x 2000,0 x 6000					
23	1	388866 3	17917	N	30,00 x 2000,0 x 6000					
23	1	388867 1	17917	N	30,00 x 2000,0 x 6000					
23	1	388867 2	17917	N	30,00 x 2000,0 x 6000					
23	1	388867 3	17917	N	30,00 x 2000,0 x 6000					
23	1	388868 1	17888	N	30,00 x 2000,0 x 6000					
23	1	388868 2	17888	N	30,00 x 2000,0 x 6000					
23	1	388868 3	17888	N	30,00 x 2000,0 x 6000					
23	1	388869 1	17888	N	30,00 x 2000,0 x 6000					
23	1	388869 2	17888	N	30,00 x 2000,0 x 6000					
23	1	388869 3	17888	N	30,00 x 2000,0 x 6000					
23	1	388870 1	17888	N	30,00 x 2000,0 x 6000					
23	1	388870 2	17888	N	30,00 x 2000,0 x 6000					
23	1	388870 3	17888	N	30,00 x 2000,0 x 6000					
23	1	388871 1	17888	N	30,00 x 2000,0 x 6000					
23	1	388871 2	17888	N	30,00 x 2000,0 x 6000					
23	1	388871 3	17888	N	30,00 x 2000,0 x 6000					
23	1	388872 1	17888	N	30,00 x 2000,0 x 6000					
23	1	388872 2	17888	N	30,00 x 2000,0 x 6000					
23	1	388872 3	17888	N	30,00 x 2000,0 x 6000					
23	1	388873 1	17888	N	30,00 x 2000,0 x 6000					
23	1	388873 2	17888	N	30,00 x 2000,0 x 6000					
23	1	388873 3	17888	N	30,00 x 2000,0 x 6000					
23	1	388874 1	17888	N	30,00 x 2000,0 x 6000					
23	1	388874 2	17888	N	30,00 x 2000,0 x 6000					
23	1	388874 3	17888	N	30,00 x 2000,0 x 6000					
23	1	388875 1	17888	N	30,00 x 2000,0 x 6000					
23	1	388875 2	17888	N	30,00 x 2000,0 x 6000					

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		No. (A03)	1320974
DIN EN 10204		Page	3/7
(A02)		Date	24.05.2022
No. (A07)	41638	21.02.2022	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)	0000110604
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.	0090164874 23.05.2022
		Inspection (A05)	WS

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
23	1	388875 3	17888	N	30,00 x 2000,0 x 6000					
23	1	388876 1	17888	N	30,00 x 2000,0 x 6000					
23	1	388876 2	17888	N	30,00 x 2000,0 x 6000					
23	1	388876 3	17888	N	30,00 x 2000,0 x 6000					
23	1	390386 1	17918	N	30,00 x 2000,0 x 6000					
23	1	390386 2	17918	N	30,00 x 2000,0 x 6000					
23	1	392255 3	72227	N	30,00 x 2000,0 x 6000					
23	1	392256 1	72227	N	30,00 x 2000,0 x 6000					
23	1	392256 2	72227	N	30,00 x 2000,0 x 6000					
23	1	392256 3	72227	N	30,00 x 2000,0 x 6000					
Σ	86	Weight (B12)	247.680	kgs	N: normalized					

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

Ladle analysis (C70-C99)

Manufacturer standard

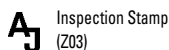
Heat No. (B07)	C %	Si %	Mn %	P %	S %	N %	Al %	Cu %	Cr %	Ni %
	≤0,20	≤0,55	≤1,60	≤0,025	≤0,025			≤0,55		
17888	0,16	0,28	1,57	0,014	0,002	0,005	0,038	0,02	0,04	0,03
17917	0,16	0,29	1,53	0,015	0,004	0,006	0,039	0,06	0,05	0,05
17918	0,16	0,27	1,52	0,014	0,003	0,006	0,039	0,02	0,04	0,03
622971	0,17	0,23	1,55	0,010	0,001	0,003	0,034	0,02	0,04	0,03
622972	0,17	0,19	1,50	0,013	0,001	0,003	0,037	0,03	0,05	0,05
Heat No. (B07)	Mo %	V %	Ti %	Nb %	EV1 1) %					
	≤0,08	≤0,10			≤0,45					
17888	0,002	0,002	0,002	0,03	0,43					
17917	0,004	0,002	0,002	0,03	0,43					
17918	0,003	0,002	0,003	0,02	0,43					
622971	0,01	0	0,003	0,03	0,44					
622972	0,01	0	0,003	0,03	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


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


Inspection Representative (Z02)

Cyron

**Inspection certificate 3.1
DIN EN 10204**

(A02)

No. (A03)

1320974

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Date

24.05.2022

No. (A07) 41638

21.02.2022

No. (A07)

Purchaser Oy Alusteel Ab
(A06) 23500 UUSIKAUPUNKI
FINNLANDCustomer Oy Alusteel Ab
(A06) 23500 UUSIKAUPUNKI
FINNLANDProduct Heavy plate
(B01)Works order No. 0000110604
(A08)Dispatch note No. 0090164874
23.05.2022Steel 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
2382390Inspection
(A05)

WS

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		
66611	0,17	0,30	1,52	0,013	0,004	0,005	0,036	0,02	0,05	0,05
671237	0,17	0,19	1,56	0,009	0,001	0,004	0,031	0,02	0,03	0,03
71957	0,16	0,27	1,56	0,012	0,003	0,004	0,043	0,01	0,03	0,03
72227	0,16	0,30	1,58	0,014	0,003	0,004	0,030	0,07	0,07	0,04
Heat No. (B07)	Mo %	V %	Ti %	Nb %	EV1 1) %					
	≤0,08	≤0,10			≤0,45					
66611	0,01	0,002	0,001	0,03	0,44					
671237	0,01	0	0,003	0,02	0,44					
71957	0,003	0,002	0,003	0,03	0,43					
72227	0,01	0,001	0,003	0,03	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 ≥345	Tensile strength (C12) Rm MPa 470 - 630	ReH/Rm	Elongation (C13) A5 7) % ≥20
383649 *)	622971	K4G	Q	N	P	460	582	0,79	27
384072 *)	671237	K4G	Q	N	P	415	575	0,72	28
385657	17888	K4G	Q	N	P	424	575	0,74	27
386717 *)	622972	K4G	Q	N	P	430	579	0,74	29
387316	66611	K4G	Q	N	P	414	566	0,73	30
387323	71957	K4G	Q	N	P	403	559	0,72	31

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

Cyron



Inspection certificate 3.1		No. (A03)	1320974
DIN EN 10204		Page	5/7
(A02)		Date	24.05.2022
No. (A07)	41638	21.02.2022	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)	0000110604
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.	0090164874 23.05.2022
		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
387324	17918	K4G	Q	N	P	402	558	0,72	30
387421 *)	17888	K4G	Q	N	P	440	576	0,76	28
388825 *)	17917	K4G	Q	N	P	435	578	0,75	28
388874	17888	K4G	Q	N	P	438	571	0,77	29
392256	72227	K4G	Q	N	P	427	577	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 √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 J ≥28	2	3	MW 6) J ≥40
383649 *)	622971	K40	L	N	KV600	-020	229	235	229	231
384072 *)	671237	K40	L	N	KV600	-020	209	239	265	238
385657	17888	K40	L	N	KV600	-020	216	258	212	229
386717 *)	622972	K40	L	N	KV600	-020	253	261	269	261
387316	66611	K40	L	N	KV600	-020	226	203	215	215
387323	71957	K40	L	N	KV600	-020	208	207	205	207
387324	17918	K40	L	N	KV600	-020	192	231	215	213
387421 *)	17888	K40	L	N	KV600	-020	178	213	217	203
388825 *)	17917	K40	L	N	KV600	-020	189	182	181	184
388874	17888	K40	L	N	KV600	-020	219	222	193	211
392256	72227	K40	L	N	KV600	-020	243	270	258	257

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

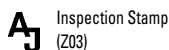
We hereby certify that the delivered material complies with the terms of the order.
(Z01)

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



Trademark (A04)

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) **1320974**
Page 6/7
Date 24.05.2022

No. (A07) 41638 21.02.2022 No. (A07)
Purchaser Oy Alusteel Ab Customer
(A06) 23500 UUSIKAUPUNKI (A06)
FINNLAND FINNLAND

Product Heavy plate
(B01)

Works order No. 0000110604
(A08)

Dispatch note No. 0090164874
23.05.2022

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

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)



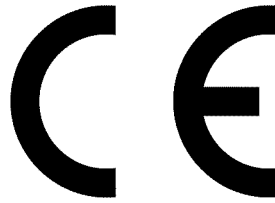
Inspection Representative
(Z02)

Cyron



Inspection certificate 3.1
DIN EN 10204
(A02)

No. (A03) **1320974**
Page 7/7
Date 24.05.2022



0045

Ilseburger Grobblech GmbH
Veckenstedter Weg 10
D-38871 Ilseburg

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0045-CPR-0673
DoP: ILGS355K2-CPR-10025-01072013

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-grobbblech.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-grobbblech.de/en/produkte/qualitaetsphilosophie-ims/zertifikate