



ArcelorMittal Bremen GmbH
Postfach 210220
28222 BREMEN
Carl-Benz-Strasse 30
28237 BREMEN
Telefon 0421/6480
Telefax 0421/6482251

A02
CERTIFICATE
A03 Page: 01 / 04
20180030954-00
Inspection certificate 3.1 EN 10204
A05 ORIGINATOR OF THE DOCUMENT
ArcelorMittal Bremen GmbH
Abnahme/Zeugnisschreibung
zeugnisse.bremen@arcelormittal.com
Telefon 0421/6482813

A09 DISPATCH NOTE
DATE
0000700868
19.04.2018
A08.1 MANUFACTURER'S ORDER NR
DATE
AGENCY'S ORDER NR.
1710603
30.10.2017
FH74ALU009001

A07 CUSTOMER'S ORDER NUMBER
41252

A06.1 CUSTOMER
Oy AluSteel Ab
Telakkatie 4
23500 Uusikaupunki
Finland
A06.2 CONSIGNEE
Oy AluSteel Ab
Hepokarintie 9
23500 UUSIKAUPUNKI
Finland

PRODUCT: hot rolled unpickled sheet

QUALITY: **Amstrong Ultra 650MC**
S650MC

STANDARD: **AM FCE**
EN 10149-2 (00-09-2013)

TERMS OF DELIVERY: **EN 10051 (2010)**

JITZ 1.74

ArcelorMittal Bremen GmbH, Postfach 210220, 28222 BREMEN

Oy AluSteel Ab

Telakkatie 4

23500 Uusikaupunki

Finland



ArcelorMittal Bremen GmbH
 Postfach 210220
 28222 BREMEN
 Carl-Benz-Strasse 30
 28237 BREMEN
 Telefon 0421/6480
 Telefax 0421/6482251

A02 CERTIFICATE
A03 Page: 02 / 04
20180030954-00
 Inspection certificate 3.1 EN 10204
 A05 ORIGINATOR OF THE DOCUMENT
 ArcelorMittal Bremen GmbH
 Abnahme/Zeugnissschreibung
 zeugnisse.bremen@arcelormittal.com
 Telefon 0421/6482813

A09 DISPATCH NOTE
 DATE 0000700868
 19.04.2018
 A08.1 MANUFACTURER'S ORDER NR **1710603**
 DATE 30.10.2017
 AGENCY'S ORDER NR. FH74ALU009001
 A07 CUSTOMER'S ORDER NUMBER
 41252

A06.1 CUSTOMER
Oy AluSteel Ab
 Telakkatie 4
 23500 Uusikaupunki
 Finland
 A06.2 CONSIGNEE
Oy AluSteel Ab
 Hepokarintie 9
 23500 UUSIKAUPUNKI
 Finland

PRODUCT: hot rolled unpickled sheet QUALITY: **Amstrong Ultra 650MC** STANDARD: **AM FCE**
 TERMS OF DELIVERY: **EN 10051 (2010)** **S650MC** **EN 10149-2 (00-09-2013)**

JITZ 1.74

A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm	B11 LENGTH mm
1	8.00	1500.00	3000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	CHEMICAL ANALYSIS																	
						C71 C %	C73 Si %	C72 Mn %	C74 P %	C75 S %	Cu %	C77 Al %	C76 N %	B %	V %	Ti %	Nb %	Cr %	Ni %	Mo %	As %	Sn %	
1	167769	00100	2220	8	047646	.0589	.0266	1.840	.0065	.0014	.0132	.0425	.0044	.0001	.0061	.1371	.0629	.0307	.0299	.0044	.0010	.0015	
	4514164																						
	167769	00800	1950	7	047646	.0589	.0266	1.840	.0065	.0014	.0132	.0425	.0044	.0001	.0061	.1371	.0629	.0307	.0299	.0044	.0010	.0015	
	4514182																						
	167778	00100	2220	8	047646	.0589	.0266	1.840	.0065	.0014	.0132	.0425	.0044	.0001	.0061	.1371	.0629	.0307	.0299	.0044	.0010	.0015	
	4514183																						
	167778	00200	2220	8	047646	.0589	.0266	1.840	.0065	.0014	.0132	.0425	.0044	.0001	.0061	.1371	.0629	.0307	.0299	.0044	.0010	.0015	
	4514184																						
	167778	00300	2220	8	047646	.0589	.0266	1.840	.0065	.0014	.0132	.0425	.0044	.0001	.0061	.1371	.0629	.0307	.0299	.0044	.0010	.0015	
	4514185																						
	167778	00800	1940	7	047646	.0589	.0266	1.840	.0065	.0014	.0132	.0425	.0044	.0001	.0061	.1371	.0629	.0307	.0299	.0044	.0010	.0015	
	4514190																						
	167779	00100	2220	8	047651	.0626	.0249	1.878	.0066	.0011	.0143	.0572	.0050	.0001	.0053	.1312	.0680	.0327	.0352	.0074	.0016	.0018	
	4514156																						
	167779	00200	2215	8	047651	.0626	.0249	1.878	.0066	.0011	.0143	.0572	.0050	.0001	.0053	.1312	.0680	.0327	.0352	.0074	.0016	.0018	
	4514157																						
	167779	00300	2220	8	047651	.0626	.0249	1.878	.0066	.0011	.0143	.0572	.0050	.0001	.0053	.1312	.0680	.0327	.0352	.0074	.0016	.0018	
	4514158																						
	167779	00400	2220	8	047651	.0626	.0249	1.878	.0066	.0011	.0143	.0572	.0050	.0001	.0053	.1312	.0680	.0327	.0352	.0074	.0016	.0018	
	4514159																						
	167779	00600	2215	8	047651	.0626	.0249	1.878	.0066	.0011	.0143	.0572	.0050	.0001	.0053	.1312	.0680	.0327	.0352	.0074	.0016	.0018	
	4514161																						
	167779	00700	1665	6	047651	.0626	.0249	1.878	.0066	.0011	.0143	.0572	.0050	.0001	.0053	.1312	.0680	.0327	.0352	.0074	.0016	.0018	
	4514162																						
	12		25525																				
TOTAL	12		25525																				

C02 test direction relating to rolling direction (0°= L; 90°= T)	C04 specimen condition V:aged F:fresh N:normalised	C50 bend test 1:good	C43 result in J related to specimensize (C44)
---	---	-------------------------	--



ArcelorMittal Bremen GmbH
 Postfach 210220
 28222 BREMEN
 Carl-Benz-Strasse 30
 28237 BREMEN
 Telefon 0421/6480
 Telefax 0421/6482251

A02 CERTIFICATE
 A03 Page: 03 / 04
20180030954-00
 Inspection certificate 3.1 EN 10204
 A05 ORIGINATOR OF THE DOCUMENT
 ArcelorMittal Bremen GmbH
 Abnahme/Zeugnisschreibung
 zeugnisse.bremen@arcelormittal.com
 Telefon 0421/6482813

A09 DISPATCH NOTE
 DATE 0000700868
 19.04.2018
 A08.1 MANUFACTURER'S ORDER NR **1710603**
 DATE 30.10.2017
 AGENCY'S ORDER NR. FH74ALU009001
 A07 CUSTOMER'S ORDER NUMBER
 41252

A06.1 CUSTOMER
Oy AluSteel Ab
 Telakkatie 4
 23500 Uusikaupunki
 Finland
 A06.2 CONSIGNEE
Oy AluSteel Ab
 Hepokarintie 9
 23500 UUSIKAUPUNKI
 Finland

PRODUCT: hot rolled unpickled sheet QUALITY: **Amstrong Ultra 650MC** STANDARD: **AM FCE**
 TERMS OF DELIVERY: **EN 10051 (2010)** S650MC EN 10149-2 (00-09-2013)

JITZ 1.74

A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm	B11 LENGTH mm
1	8.00	1500.00	3000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	TENSILE TEST					BENDTEST	SHOCK TEST						
						C02 PR	C03 Temp °C	C11 yield p. Re MPa	C12 strength Rm MPa	C13 A70mm %	C50 Fa	C44 S0 cm ²	C02 PR	C03 Temp °C	C42 KV2_1 J	C42 KV2_2 J	C42 KV2_3 J	C43 KV2_m J
1	167769	00100	2220	8	047646	0	20	750	802	20	1	.8	0	-20	137	145	151	144
	4514164																	
	167769	00800	1950	7	047646	0	20	750	802	20	1	.8	0	-20	137	145	151	144
	4514182																	
	167778	00100	2220	8	047646	0	20	724	783	23	1	.8	0	-20	157	149	148	151
	4514183																	
	167778	00200	2220	8	047646	0	20	724	783	23	1	.8	0	-20	157	149	148	151
	4514184																	
	167778	00300	2220	8	047646	0	20	724	783	23	1	.8	0	-20	157	149	148	151
	4514185																	
	167778	00800	1940	7	047646	0	20	724	783	23	1	.8	0	-20	157	149	148	151
	4514190																	
	167779	00100	2220	8	047651	0	20	720	766	26	1	.8	0	-20	127	123	132	127
	4514156																	
	167779	00200	2215	8	047651	0	20	720	766	26	1	.8	0	-20	127	123	132	127
	4514157																	
	167779	00300	2220	8	047651	0	20	720	766	26	1	.8	0	-20	127	123	132	127
	4514158																	
	167779	00400	2220	8	047651	0	20	720	766	26	1	.8	0	-20	127	123	132	127
	4514159																	
	167779	00600	2215	8	047651	0	20	720	766	26	1	.8	0	-20	127	123	132	127
	4514161																	
	167779	00700	1665	6	047651	0	20	720	766	26	1	.8	0	-20	127	123	132	127
	4514162																	
	12			25525														

C02 test direction relating to rolling direction (0°= L; 90°= T)	C04 specimen condition V:aged F:fresh N:normalised	C50 bend test 1:good	C43 result in J related to specimensize (C44)
---	---	-------------------------	--



ArcelorMittal Bremen GmbH
 Postfach 210220
 28222 BREMEN
 Carl-Benz-Strasse 30
 28237 BREMEN
 Telefon 0421/6480
 Telefax 0421/6482251

A02 CERTIFICATE
 A03 Page: 04 / 04
20180030954-00
 Inspection certificate 3.1 EN 10204
 A05 ORIGINATOR OF THE DOCUMENT
 ArcelorMittal Bremen GmbH
 Abnahme/Zeugnisschreibung
 zeugnisse.bremen@arcelormittal.com
 Telefon 0421/6482813

A09 DISPATCH NOTE
 DATE
0000700868
 19.04.2018
 A08.1 MANUFACTURER'S ORDER NR **1710603**
 DATE 30.10.2017
 AGENCY'S ORDER NR. FH74ALU009001
 A07 CUSTOMER'S ORDER NUMBER
 41252

A06.1 CUSTOMER
Oy AluSteel Ab
 Telakkatie 4
 23500 Uusikaupunki
 Finland
 A06.2 CONSIGNEE
Oy AluSteel Ab
 Hepokarintie 9
 23500 UUSIKAUPUNKI
 Finland

PRODUCT: hot rolled unpickled sheet QUALITY: **Amstrong Ultra 650MC** STANDARD: **AM FCE**
 TERMS OF DELIVERY: **EN 10051 (2010)** **S650MC** **EN 10149-2 (00-09-2013)**

JITZ 1.74

A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm	B11 LENGTH mm
1	8.00	1500.00	3000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	TENSILE TEST					BENDTEST	SHOCK TEST					
						C02 PR °	C03 Temp °C	C11 yield p. Re MPa	C12 strength Rm MPa	C13 A70mm %	C50 Fa	C44 S0 cm ²	C02 PR °	C03 Temp °C	C42 KV2_1 J	C42 KV2_2 J	C42 KV2_3 J
TOTAL	12		25525														

We certify hereby that the delivery complies with the above mentioned specification.

BREMEN 19.04.2018



QUALITY DEPARTMENT
 SITE EXPERT FOR INSPECTION
 Dr. Breitschuh

Breitschuh

C02 test direction relating to rolling direction (0°= L; 90°= T)	C04 specimen condition V:aged F:fresh N:normalised	C50 bend test 1:good	C43 result in J related to specimensize (C44)
---	---	-------------------------	--