



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
20190022580-00
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
0000844013
29.03.2019
A08.1 MANUFACTURER'S ORDER NR
DATE
AGENCY'S ORDER NR.
1939896
17.01.2019
FH91ALU005002
A07 CUSTOMER'S ORDER NUMBER
45928

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

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Oy AluSteel Ab

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JITZ 1.74

A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm	B11 LENGTH mm
2	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 %	
2	440574	00100	2210	8	060104	.0586	.0300	1.850	.0057	.0012	.0167	.0401	.0056	.0001	.0052	.1255	.0741	.0324	.0328	.0066	.0011	.0024	
	4625480																						
	440574	00200	2215	8	060104	.0586	.0300	1.850	.0057	.0012	.0167	.0401	.0056	.0001	.0052	.1255	.0741	.0324	.0328	.0066	.0011	.0024	
	4625481																						
	440574	00300	2215	8	060104	.0586	.0300	1.850	.0057	.0012	.0167	.0401	.0056	.0001	.0052	.1255	.0741	.0324	.0328	.0066	.0011	.0024	
	4625482																						
	440574	00400	2215	8	060104	.0586	.0300	1.850	.0057	.0012	.0167	.0401	.0056	.0001	.0052	.1255	.0741	.0324	.0328	.0066	.0011	.0024	
	4625483																						
	440574	00500	2215	8	060104	.0586	.0300	1.850	.0057	.0012	.0167	.0401	.0056	.0001	.0052	.1255	.0741	.0324	.0328	.0066	.0011	.0024	
	4625484																						
	440574	00600	2215	8	060104	.0586	.0300	1.850	.0057	.0012	.0167	.0401	.0056	.0001	.0052	.1255	.0741	.0324	.0328	.0066	.0011	.0024	
	4625485																						
	440574	00700	2215	8	060104	.0586	.0300	1.850	.0057	.0012	.0167	.0401	.0056	.0001	.0052	.1255	.0741	.0324	.0328	.0066	.0011	.0024	
	4625486																						
	440574	00800	2220	8	060104	.0586	.0300	1.850	.0057	.0012	.0167	.0401	.0056	.0001	.0052	.1255	.0741	.0324	.0328	.0066	.0011	.0024	
	4625487																						
	440574	00900	2215	8	060104	.0586	.0300	1.850	.0057	.0012	.0167	.0401	.0056	.0001	.0052	.1255	.0741	.0324	.0328	.0066	.0011	.0024	
	4625488																						
	440574	01000	2220	8	060104	.0586	.0300	1.850	.0057	.0012	.0167	.0401	.0056	.0001	.0052	.1255	.0741	.0324	.0328	.0066	.0011	.0024	
	4625489																						
	440574	01100	2220	8	060104	.0586	.0300	1.850	.0057	.0012	.0167	.0401	.0056	.0001	.0052	.1255	.0741	.0324	.0328	.0066	.0011	.0024	
	4625490																						
	440574	01200	1380	5	060104	.0586	.0300	1.850	.0057	.0012	.0167	.0401	.0056	.0001	.0052	.1255	.0741	.0324	.0328	.0066	.0011	.0024	
	4625498																						
		12	25755																				
TOTAL	12		25755																				

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)
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 TERMS OF DELIVERY: **EN 10051 (2010)** S650MC EN 10149-2 (00-09-2013)

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A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm	B11 LENGTH mm
2	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						BEND TEST	SHOCK TEST						
						C02	C04	C03	C11	C12	C13	C50	C44	C02	C03	C42	C42	C42	C43
						PR °	MAZ	Temp °C	yield p. Re MPa	strength Rm MPa	A70mm %	Fa	S0 cm ²	PR °	Temp °C	KV2_1 J	KV2_2 J	KV2_3 J	KV2_m J
2	440574	00100	2210	8	060104	0	F	20	707	756	23.5	1	.8	0	-20	155	185	155	165
	4625480																		
	440574	00200	2215	8	060104	0	F	20	707	756	23.5	1	.8	0	-20	155	185	155	165
	4625481																		
	440574	00300	2215	8	060104	0	F	20	707	756	23.5	1	.8	0	-20	155	185	155	165
	4625482																		
	440574	00400	2215	8	060104	0	F	20	707	756	23.5	1	.8	0	-20	155	185	155	165
	4625483																		
	440574	00500	2215	8	060104	0	F	20	707	756	23.5	1	.8	0	-20	155	185	155	165
	4625484																		
	440574	00600	2215	8	060104	0	F	20	707	756	23.5	1	.8	0	-20	155	185	155	165
	4625485																		
	440574	00700	2215	8	060104	0	F	20	707	756	23.5	1	.8	0	-20	155	185	155	165
	4625486																		
	440574	00800	2220	8	060104	0	F	20	707	756	23.5	1	.8	0	-20	155	185	155	165
	4625487																		
	440574	00900	2215	8	060104	0	F	20	707	756	23.5	1	.8	0	-20	155	185	155	165
	4625488																		
	440574	01000	2220	8	060104	0	F	20	707	756	23.5	1	.8	0	-20	155	185	155	165
	4625489																		
	440574	01100	2220	8	060104	0	F	20	707	756	23.5	1	.8	0	-20	155	185	155	165
	4625490																		
	440574	01200	1380	5	060104	0	F	20	707	756	23.5	1	.8	0	-20	155	185	155	165
	4625498																		
	12		25755																

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)
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2	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 °	C04 MAZ	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
TOTAL		12	25755														

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

BREMEN 29.03.2019



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)
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