



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

A02
CERTIFICATE
A03 Page: 01/ 05
20220041443-00
Inspection certificate 3.1 EN 10204
A05 ORIGINATOR OF THE DOCUMENT
ArcelorMittal Bremen GmbH
Carl-Benz-Straße 30, 28237 Bremen
zeugnisse.bremen@arcelormittal.com
Telefon 0421/6482813

A09 DISPATCH NOTE
DATE
0000218471
08.06.2022
A08.1 MANUFACTURER'S ORDER NR **2214265**
DATE 01.02.2022
AGENCY'S ORDER NR. GH22ALL001007

A07 CUSTOMER'S ORDER NUMBER
41426

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 1.79

ArcelorMittal Bremen GmbH, Postfach 210220, 28222 BREMEN

Oy AluSteel Ab

Telakkatie 4

23500 Uusikaupunki

Finland



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

JITZ 1.79

A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm	B11 LENGTH mm
7	12.00	1500.00	6000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	CHEMICAL ANALYSIS																		
						C71	C73	C72	C74	C75	C81	C77	C76	C83	C84	C78	C82	C79	C80	C85	As	Sn		
						C %	Si %	Mn %	P %	S %	Cu %	Al %	N %	B %	V %	Ti %	Nb %	Cr %	Ni %	Mo %	As %	Sn %		
7	671537	00100	1695	2	047619	.0613	.2181	1.911	.0058	.0014	.0188	.0425	.0067	.0001	.0035	.1428	.0722	.2683	.0443	.0103	.0018	.0024		
	4957304				047619	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
	671537	00200	1685	2	047619	.0613	.2181	1.911	.0058	.0014	.0188	.0425	.0067	.0001	.0035	.1428	.0722	.2683	.0443	.0103	.0018	.0024		
	4957305				047619	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
	671537	00300	1690	2	047619	.0613	.2181	1.911	.0058	.0014	.0188	.0425	.0067	.0001	.0035	.1428	.0722	.2683	.0443	.0103	.0018	.0024		
	4957306				047619	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
	671537	00400	1685	2	047619	.0613	.2181	1.911	.0058	.0014	.0188	.0425	.0067	.0001	.0035	.1428	.0722	.2683	.0443	.0103	.0018	.0024		
	4957307				047619	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
	671537	00500	1685	2	047619	.0613	.2181	1.911	.0058	.0014	.0188	.0425	.0067	.0001	.0035	.1428	.0722	.2683	.0443	.0103	.0018	.0024		
	4957308				047619	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
	671537	00600	1690	2	047619	.0613	.2181	1.911	.0058	.0014	.0188	.0425	.0067	.0001	.0035	.1428	.0722	.2683	.0443	.0103	.0018	.0024		
	4957309				047619	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
	671537	00700	1690	2	047619	.0613	.2181	1.911	.0058	.0014	.0188	.0425	.0067	.0001	.0035	.1428	.0722	.2683	.0443	.0103	.0018	.0024		
	4957310				047619	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
	671537	00800	1685	2	047619	.0613	.2181	1.911	.0058	.0014	.0188	.0425	.0067	.0001	.0035	.1428	.0722	.2683	.0443	.0103	.0018	.0024		
	4957311				047619	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
	671537	00900	1690	2	047619	.0613	.2181	1.911	.0058	.0014	.0188	.0425	.0067	.0001	.0035	.1428	.0722	.2683	.0443	.0103	.0018	.0024		
	4957312				047619	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
	671537	01000	1690	2	047619	.0613	.2181	1.911	.0058	.0014	.0188	.0425	.0067	.0001	.0035	.1428	.0722	.2683	.0443	.0103	.0018	.0024		
	4957313				047619	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
	671537	01100	1695	2	047619	.0613	.2181	1.911	.0058	.0014	.0188	.0425	.0067	.0001	.0035	.1428	.0722	.2683	.0443	.0103	.0018	.0024		
	4957314				047619	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
	671537	01200	1695	2	047619	.0613	.2181	1.911	.0058	.0014	.0188	.0425	.0067	.0001	.0035	.1428	.0722	.2683	.0443	.0103	.0018	.0024		
	4957315				047619	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		

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)**

JITZ 1.79

A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm	B11 LENGTH mm
7	12.00	1500.00	6000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	CHEMICAL ANALYSIS																		
						C71	C73	C72	C74	C75	C81	C77	C76	C83	C84	C78	C82	C79	C80	C85	As	Sn		
						C %	Si %	Mn %	P %	S %	Cu %	Al %	N %	B %	V %	Ti %	Nb %	Cr %	Ni %	Mo %	As %	Sn %		
7	671537 4957316	01300	1700	2	047619	.0613	.2181	1.911	.0058	.0014	.0188	.0425	.0067	.0001	.0035	.1428	.0722	.2683	.0443	.0103	.0018	.0024		
						0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	671537 4957317	01400	1700	2	047619	.0613	.2181	1.911	.0058	.0014	.0188	.0425	.0067	.0001	.0035	.1428	.0722	.2683	.0443	.0103	.0018	.0024		
						0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	671537 4957326	01500	845	1	047619	.0613	.2181	1.911	.0058	.0014	.0188	.0425	.0067	.0001	.0035	.1428	.0722	.2683	.0443	.0103	.0018	.0024		
						0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
			15			24520																		
TOTAL			15			24520																		

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	TENSILE TEST						BENDTEST		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	Al05mm %	Fa	S0 cm²	PR °	Temp °C	KV2VP 1 J	KV2VP 2 J	KV2VP 3 J	KV2VP m J
7	671537 4957304	00100	1695	2	047619	0	F	20	638	761	15.5	1	.8	0	-20	161	177	153	163
						90	F	20	722	796	16.5								
	671537 4957305	00200	1685	2	047619	0	F	20	638	761	15.5	1	.8	0	-20	161	177	153	163
						90	F	20	722	796	16.5								
	671537 4957306	00300	1690	2	047619	0	F	20	638	761	15.5	1	.8	0	-20	161	177	153	163
						90	F	20	722	796	16.5								
	671537 4957307	00400	1685	2	047619	0	F	20	638	761	15.5	1	.8	0	-20	161	177	153	163
						90	F	20	722	796	16.5								
	671537 4957308	00500	1685	2	047619	0	F	20	638	761	15.5	1	.8	0	-20	161	177	153	163
						90	F	20	722	796	16.5								

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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JITZ 1.79

A08.2 ITEM	B09 THICKNESS mm	B10 WIDTH mm	B11 LENGTH mm
7	12.00	1500.00	6000.00

A08.2 ITEM	B07.1 COIL NO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	TENSILE TEST						BEND TEST	SHOCK TEST						
						C02 PR °	C04 MAZ	C03 Temp °C	C11 yield strength Re MPa	C12 strength Rm MPa	C13 Al105mm %	C50 Fa	C44 S0 cm²	C02 PR °	C03 Temp °C	C42 KV2VP 1 J	C42 KV2VP 2 J	C42 KV2VP 3 J	C43 KV2VP m J
						0			638	761	15.5	1	.8	0	-20	161	177	153	163
7	671537	00600	1690	2	047619	0	F	20	638	761	15.5	1	.8	0	-20	161	177	153	163
	4957309				047619	90	F	20	722	796	16.5								
	671537	00700	1690	2	047619	0	F	20	638	761	15.5	1	.8	0	-20	161	177	153	163
	4957310				047619	90	F	20	722	796	16.5								
	671537	00800	1685	2	047619	0	F	20	638	761	15.5	1	.8	0	-20	161	177	153	163
	4957311				047619	90	F	20	722	796	16.5								
	671537	00900	1690	2	047619	0	F	20	638	761	15.5	1	.8	0	-20	161	177	153	163
	4957312				047619	90	F	20	722	796	16.5								
	671537	01000	1690	2	047619	0	F	20	638	761	15.5	1	.8	0	-20	161	177	153	163
	4957313				047619	90	F	20	722	796	16.5								
	671537	01100	1695	2	047619	0	F	20	638	761	15.5	1	.8	0	-20	161	177	153	163
	4957314				047619	90	F	20	722	796	16.5								
	671537	01200	1695	2	047619	0	F	20	638	761	15.5	1	.8	0	-20	161	177	153	163
	4957315				047619	90	F	20	722	796	16.5								
	671537	01300	1700	2	047619	0	F	20	638	761	15.5	1	.8	0	-20	161	177	153	163
	4957316				047619	90	F	20	722	796	16.5								
	671537	01400	1700	2	047619	0	F	20	638	761	15.5	1	.8	0	-20	161	177	153	163
	4957317				047619	90	F	20	722	796	16.5								
	671537	01500	845	1	047619	0	F	20	638	761	15.5	1	.8	0	-20	161	177	153	163
	4957326				047619	90	F	20	722	796	16.5								
			15													24520			
TOTAL			15													24520			

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)**

JITZ 1.79

A08.2	B09	B10	B11
ITEM	THICKNES	WIDTH	LENGTH
	mm	mm	mm
7	12.00	1500.00	6000.00

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

BREMEN 08.06.2022



QUALITY DEPARTMENT
 SITE EXPERT FOR INSPECTION
 Witt

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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