



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
20220047726-00

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
0000227091
29.06.2022

A08.1 MANUFACTURER'S ORDER NR
DATE
AGENCY'S ORDER NR.
2217161
08.03.2022
GH22ALL005013

A07 CUSTOMER'S ORDER NUMBER
42005/42005/13

A10 PART NUMBER
2388180

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

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23500 Uusikaupunki

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Oy AluSteel Ab
 Telakkatie 4
 23500 Uusikaupunki
 Finland

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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 1.79

A08.2 ITEM	B09 THICKNESS mm	B10 WIDTH mm	B11 LENGTH mm
13	10.00	1500.00	3000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	CHEMICAL ANALYSIS																	
						C71	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 %	
13	679548	00100	2080	6	047591	.0646	.0191	1.855	.0135	.0016	.0240	.0470	.0052	.0001	.0024	.1440	.0736	.0353	.0361	.0063	.0020	.0021	
						4964475	047591	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	679548	00200	2080	6	047591	.0646	.0191	1.855	.0135	.0016	.0240	.0470	.0052	.0001	.0024	.1440	.0736	.0353	.0361	.0063	.0020	.0021	
						4964476	047591	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	679548	00300	2075	6	047591	.0646	.0191	1.855	.0135	.0016	.0240	.0470	.0052	.0001	.0024	.1440	.0736	.0353	.0361	.0063	.0020	.0021	
						4964477	047591	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	679548	00400	2080	6	047591	.0646	.0191	1.855	.0135	.0016	.0240	.0470	.0052	.0001	.0024	.1440	.0736	.0353	.0361	.0063	.0020	.0021	
						4964478	047591	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	679548	00500	2085	6	047591	.0646	.0191	1.855	.0135	.0016	.0240	.0470	.0052	.0001	.0024	.1440	.0736	.0353	.0361	.0063	.0020	.0021	
						4964479	047591	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	679548	00600	2080	6	047591	.0646	.0191	1.855	.0135	.0016	.0240	.0470	.0052	.0001	.0024	.1440	.0736	.0353	.0361	.0063	.0020	.0021	
						4964480	047591	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	679548	00700	2080	6	047591	.0646	.0191	1.855	.0135	.0016	.0240	.0470	.0052	.0001	.0024	.1440	.0736	.0353	.0361	.0063	.0020	.0021	
						4964481	047591	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	679548	00800	2075	6	047591	.0646	.0191	1.855	.0135	.0016	.0240	.0470	.0052	.0001	.0024	.1440	.0736	.0353	.0361	.0063	.0020	.0021	
						4964482	047591	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	679548	00900	2080	6	047591	.0646	.0191	1.855	.0135	.0016	.0240	.0470	.0052	.0001	.0024	.1440	.0736	.0353	.0361	.0063	.0020	.0021	
						4964483	047591	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	679548	01000	2080	6	047591	.0646	.0191	1.855	.0135	.0016	.0240	.0470	.0052	.0001	.0024	.1440	.0736	.0353	.0361	.0063	.0020	.0021	
						4964484	047591	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	679548	01100	2075	6	047591	.0646	.0191	1.855	.0135	.0016	.0240	.0470	.0052	.0001	.0024	.1440	.0736	.0353	.0361	.0063	.0020	.0021	
						4964485	047591	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	679548	01200	2080	6	047591	.0646	.0191	1.855	.0135	.0016	.0240	.0470	.0052	.0001	.0024	.1440	.0736	.0353	.0361	.0063	.0020	.0021	
						4964486	047591	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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 23500 Uusikaupunki
 Finland
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 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 1.79

A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm	B11 LENGTH mm
13	10.00	1500.00	3000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	CHEMICAL ANALYSIS																	
						C71	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 %	
13	679548	01300	1735	5	047591	.0646	.0191	1.855	.0135	.0016	.0240	.0470	.0052	.0001	.0024	.1440	.0736	.0353	.0361	.0063	.0020	.0021	
	4964497				047591	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	
	13		26685																				
TOTAL	13		26685																				

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. strength Re MPa	strength Rm MPa	A95mm %	Fa	S0 cm²	PR °	Temp °C	KV2VP_1 J	KV2VP_2 J	KV2VP_3 J	KV2VP_m J
13	679548	00100	2080	6	047591	0	F	20	723	790	19	1	.8	0	-20	116	114	116	115
	4964475				047591	90	F	20	815	817	17								
	679548	00200	2080	6	047591	0	F	20	723	790	19	1	.8	0	-20	116	114	116	115
	4964476				047591	90	F	20	815	817	17								
	679548	00300	2075	6	047591	0	F	20	723	790	19	1	.8	0	-20	116	114	116	115
	4964477				047591	90	F	20	815	817	17								
	679548	00400	2080	6	047591	0	F	20	723	790	19	1	.8	0	-20	116	114	116	115
	4964478				047591	90	F	20	815	817	17								
	679548	00500	2085	6	047591	0	F	20	723	790	19	1	.8	0	-20	116	114	116	115
	4964479				047591	90	F	20	815	817	17								
	679548	00600	2080	6	047591	0	F	20	723	790	19	1	.8	0	-20	116	114	116	115
	4964480				047591	90	F	20	815	817	17								
	679548	00700	2080	6	047591	0	F	20	723	790	19	1	.8	0	-20	116	114	116	115
	4964481				047591	90	F	20	815	817	17								

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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13	10.00	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 Re MPa	p. strength Rm MPa	A95mm %	Fa	S0 cm ²	PR °	Temp °C	KV2VP_1 J	KV2VP_2 J	KV2VP_3 J	KV2VP_m J
13	679548	00800	2075	6	047591	0	F	20	723	790	19	1	.8	0	-20	116	114	116	115
	4964482				047591	90	F	20	815	817	17								
	679548	00900	2080	6	047591	0	F	20	723	790	19	1	.8	0	-20	116	114	116	115
	4964483				047591	90	F	20	815	817	17								
	679548	01000	2080	6	047591	0	F	20	723	790	19	1	.8	0	-20	116	114	116	115
	4964484				047591	90	F	20	815	817	17								
	679548	01100	2075	6	047591	0	F	20	723	790	19	1	.8	0	-20	116	114	116	115
	4964485				047591	90	F	20	815	817	17								
	679548	01200	2080	6	047591	0	F	20	723	790	19	1	.8	0	-20	116	114	116	115
	4964486				047591	90	F	20	815	817	17								
	679548	01300	1735	5	047591	0	F	20	723	790	19	1	.8	0	-20	116	114	116	115
	4964497				047591	90	F	20	815	817	17								
	13		26685																
TOTAL	13		26685																

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


 BREMEN 29.06.2022

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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