



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  
**20190078247-00**  
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  
0000928427  
04.12.2019  
A08.1 MANUFACTURER'S ORDER NR  
DATE  
AGENCY'S ORDER NR.  
1954494  
07.10.2019  
FH94KON008003  
A07 CUSTOMER'S ORDER NUMBER  
1113312  
A10 PART NUMBER  
XR355158

A06.1 CUSTOMER  
OY KONTINO AB  
HAKINTIE, 6  
01380 VANTAA  
Finland  
A06.2 CONSIGNEE  
OY KONTINO AB  
HAKINTIE, 6  
01380 VANTAA  
Finland

PRODUCT: hot rolled unpickled sheet

QUALITY: **AMSTRONG 355MC**  
**S355MC**

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

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

JITZ 1.78

ArcelorMittal Bremen GmbH, Postfach 210220, 28222 BREMEN

OY KONTINO AB

HAKINTIE, 6

01380 VANTAA

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**Finnland**  
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**01380 VANTAA**  
**Finnland**

PRODUCT: hot rolled unpickled sheet      QUALITY: **AMSTRONG 355MC**      STANDARD: **AM FCE**  
 TERMS OF DELIVERY: **EN 10051 (2010)**      **S355MC**      **EN 10149-2 (00-09-2013)**

JITZ 1.78

A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm	B11 LENGTH mm
3	15.00	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 %		
3	542180 4692963	00100	2130	4	020200	.0753	.0239	.9434	.0130	.0021	.0168	.0364	.0052	.0001	.0001	.0014	.0525	.0398	.0333	.0049	.0012	.0014		
						0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	542180 4692964	00200	2130	4	020200	.0753	.0239	.9434	.0130	.0021	.0168	.0364	.0052	.0001	.0001	.0014	.0525	.0398	.0333	.0049	.0012	.0014		
						0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	542180 4692965	00300	2130	4	020200	.0753	.0239	.9434	.0130	.0021	.0168	.0364	.0052	.0001	.0001	.0014	.0525	.0398	.0333	.0049	.0012	.0014		
						0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	542180 4692966	00400	2125	4	020200	.0753	.0239	.9434	.0130	.0021	.0168	.0364	.0052	.0001	.0001	.0014	.0525	.0398	.0333	.0049	.0012	.0014		
						0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	542180 4692967	00500	2130	4	020200	.0753	.0239	.9434	.0130	.0021	.0168	.0364	.0052	.0001	.0001	.0014	.0525	.0398	.0333	.0049	.0012	.0014		
						0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	542180 4692968	00600	2130	4	020200	.0753	.0239	.9434	.0130	.0021	.0168	.0364	.0052	.0001	.0001	.0014	.0525	.0398	.0333	.0049	.0012	.0014		
						0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	542180 4692969	00700	2130	4	020200	.0753	.0239	.9434	.0130	.0021	.0168	.0364	.0052	.0001	.0001	.0014	.0525	.0398	.0333	.0049	.0012	.0014		
						0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	542180 4692970	00800	2125	4	020200	.0753	.0239	.9434	.0130	.0021	.0168	.0364	.0052	.0001	.0001	.0014	.0525	.0398	.0333	.0049	.0012	.0014		
						0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	542180 4692971	00900	2130	4	020200	.0753	.0239	.9434	.0130	.0021	.0168	.0364	.0052	.0001	.0001	.0014	.0525	.0398	.0333	.0049	.0012	.0014		
						0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	542180 4692972	01000	2135	4	020200	.0753	.0239	.9434	.0130	.0021	.0168	.0364	.0052	.0001	.0001	.0014	.0525	.0398	.0333	.0049	.0012	.0014		
						0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	542180 4692973	01100	2130	4	020200	.0753	.0239	.9434	.0130	.0021	.0168	.0364	.0052	.0001	.0001	.0014	.0525	.0398	.0333	.0049	.0012	.0014		
						0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	542180 4692978	01200	1070	2	020200	.0753	.0239	.9434	.0130	.0021	.0168	.0364	.0052	.0001	.0001	.0014	.0525	.0398	.0333	.0049	.0012	.0014		
						0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
			12				24495																	

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)**      **S355MC**      **EN 10149-2 (00-09-2013)**

JITZ 1.78

A08.2 ITEM	B09 THICKNESS mm	B10 WIDTH mm	B11 LENGTH mm
3	15.00	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	C81 Cu	C77 Al	C76 N	C83 B	C84 V	C78 Ti	C82 Nb	C79 Cr	C80 Ni	C85 Mo	As	Sn		
TOTAL	12		24495																					

A08.2 ITEM	B07.1 COILNO	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 Re MPa	C12 strength Rm MPa	C13 Al20mm %	C50 Fa	C44 S0 cm²	C02 PR °C	C03 Temp °C	C42 KV2_1 J	C42 KV2_2 J	C42 KV2_3 J	C43 KV2_m J
3	542180	00100	2130	4	020200	0	F	20	412	516	28.5	1	.8	0	-20	260	254	247	253
						4692963	90	F	20	454	526	25							
	542180	00200	2130	4	020200	0	F	20	412	516	28.5	1	.8	0	-20	260	254	247	253
						4692964	90	F	20	454	526	25							
	542180	00300	2130	4	020200	0	F	20	412	516	28.5	1	.8	0	-20	260	254	247	253
						4692965	90	F	20	454	526	25							
	542180	00400	2125	4	020200	0	F	20	412	516	28.5	1	.8	0	-20	260	254	247	253
						4692966	90	F	20	454	526	25							
	542180	00500	2130	4	020200	0	F	20	412	516	28.5	1	.8	0	-20	260	254	247	253
						4692967	90	F	20	454	526	25							
	542180	00600	2130	4	020200	0	F	20	412	516	28.5	1	.8	0	-20	260	254	247	253
						4692968	90	F	20	454	526	25							
	542180	00700	2130	4	020200	0	F	20	412	516	28.5	1	.8	0	-20	260	254	247	253
						4692969	90	F	20	454	526	25							
	542180	00800	2125	4	020200	0	F	20	412	516	28.5	1	.8	0	-20	260	254	247	253
						4692970	90	F	20	454	526	25							
	542180	00900	2130	4	020200	0	F	20	412	516	28.5	1	.8	0	-20	260	254	247	253
						4692971	90	F	20	454	526	25							

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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A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm	B11 LENGTH mm
3	15.00	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 yield p.	C12 strength	C13	C50	C44	C02	C03	C42	C42	C42	C43
						PR °	MAZ	Temp °C	Re MPa	Rm MPa	A120mm %	Fa	S0 cm <sup>2</sup>	PR °	Temp °C	KV2_1 J	KV2_2 J	KV2_3 J	KV2_m J
3	<b>542180</b> 4692972	01000	2135	4	<b>020200</b> <b>020200</b>	0	F	20	412	516	28.5	1	.8	0	-20	260	254	247	253
	<b>542180</b> 4692973	01100	2130	4	<b>020200</b> <b>020200</b>	0	F	20	412	516	28.5	1	.8	0	-20	260	254	247	253
	<b>542180</b> 4692978	01200	1070	2	<b>020200</b> <b>020200</b>	0	F	20	412	516	28.5	1	.8	0	-20	260	254	247	253
			12		24495														
<b>TOTAL</b>			12		24495														

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

BREMEN 04.12.2019



QUALITY DEPARTMENT  
 SITE EXPERT FOR INSPECTION

Kramer

*Jarkko Kramer*

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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