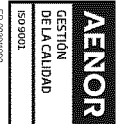




**ArcelorMittal**  
Factoria de Gijón

ArcelorMittal España, S.A.  
Residencia la Grandá  
33418 - Gozón  
Asturias - España



**CHAPA**  
PLATE  
BLECHE  
TOLES  
LAMIÈRE

**CERTIFICADO DE INSPECCION / INSPECTION CERTIFICATE**  
CERTIFICADO DE INSPECCION 3.1 S/ EN 10204 / EN 10168  
INSPECTION CERTIFICATE 3.1 ACCORDING TO EN 10204 / EN 10168

**CLIENTE / Customer**  
BE GROUP OY AB  
HELSINGINITE 50  
15101 - LAHTI  
FINLANDIA

**ORDEN SUMINISTRO /**  
Works order  
BNI372  
GB23BEG03W

**N. CERTIFICADO /**  
N. Certificate  
G1528037-02

**HOLA** 01  
**de** 02

**Page of:**

**FECHA / Date** 2022-09-07

**PEDIDO CLIENTE** Customer's order  
P099302

**SOCIEDAD INSPECTORA /**  
Classification Society  
ARCELOR

**PROCEDIMIENTO DE ELABORACION /**  
Melting Process:  
B.O.S. CONTINUOUSLY CAST SLAB

**ESPECIFICACION / Specification**

S355K2+N  
EN 10025-PART 2:2019  
HOT DIP ZINC COATING CAT B



QP00020 UKCA\_FC\_V001\_EN  
EN 10025-2:2019  
S355K2+N/1.0596

**N. DE CHAPA (PLATE N.) /**  
MARCA FABRICANTE (TRADEMARK)  
N. COLADA (HEAT N.)  
CALIDAD (QUALITY GRADE)

**SOCIEDAD FABRICANTE (TRADEMARK)**  
ENS

POSICION (m)	DIMENSIONES (Dimensions)			PESO (Weight) Kg	N. PIEZAS (Number of pieces)	COLADA (Heat)	NUMERO DE LA MUESTRA (Sample no.)	COMPOSICION QUIMICA (Chemical composition)											T. Grano (Grain size)									
	ESPESOR ANCHO LARGO (Thickness) (Width) (Length)	mm	mm					C	Mn	Si	S	P	Al	N	CU	NI	CR	MO		NB	V	TI	B					
A10	B09	B10	B11	B12	B08	B07	C00	C71	C72	C73	C74	C75	C76	C77	C78	C79	C80	C81	C82	C83	C84	C85	C86	C87	C88	C89	C90	C60
004	12,00	2450	12000	44304	11076	16	203340	,14	1,37	,187	,010	,016	,023	,0029	,049	0,024	0,047	,005	,009	,001	,001	,001	,0002					0,39
						4	293653	,15	1,43	,187	,009	,015	,023	,0034	0,031	0,019	0,041	,003	,010	,001	,001	,0001					0,40	
<b>TOTAL :</b>				<b>55380</b>		<b>20</b>																						

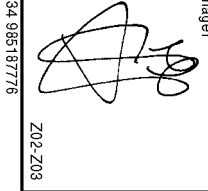
0001 : C+MN/6+(CR+MO+V)/5+(NT+CU)/15  
TH TOL ACCORDING TO EN 10029 CLASS A  
SURFACE QUALITY ACC. EN10163-2 CLASS B SUBCLASS 3  
FLATNESS ACCORDING TO EN 10029 TABLE 4 CLASS S

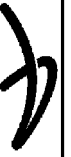
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[http://dop.arcelormittal.net/pdf/QP00020\\_CPR2013-07-01\\_FC\\_V013\\_FI.FI.pdf](http://dop.arcelormittal.net/pdf/QP00020_CPR2013-07-01_FC_V013_FI.FI.pdf)

Por la Sociedad Inspectora (for the classification society)

Por (For)  
Juan Manuel Vigil Fernández  
Jefe de Calidad Chapa Gruesa  
Heavy Plate Quality Manager  
Flat Carbon Europe

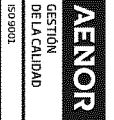
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Factoria de Gijón

ArcelorMittal España, S.A.  
Residencia la Grandá  
33418 - Gozón  
Asturias - España



GESTIÓN DE LA CALIDAD  
ISO 9001

**CHAPA**  
PLATE  
BLECHE  
TOLES  
LAMIÈRE

**CERTIFICADO DE INSPECCION / INSPECTION CERTIFICATE**

CERTIFICADO DE INSPECCION 3.1 S/ EN 10204 / EN 10168  
INSPECTION CERTIFICATE 3.1 ACCORDING TO EN 10204 / EN 10168

CLIENTE / Customer

BE GROUP OY AB  
HELSINGINTE 50  
15101 - LAHTI  
FINLANDIA

ORDEN SUMINISTRO /  
Works order  
BNI1572  
GB23BEG03W

N.º CERTIFICADO /  
N.º Certificate  
G1528037-02  
Page of: 02

PEDIDO CLIENTE Customer's order  
A02  
P099302

FECHA / Date 2022-09-07  
SOCIEDAD INSPECTORA /  
Classification Society  
ARCELOR

**ESPECIFICACION /** S355K2+N  
Specification EN 10025-2-PART 2:2019  
B02 HOT DIP ZINC COATING CAT B

(1) C = Cabeza (top)  
P = Pie (bottom)  
S = Piel (skin)  
4 = 1/4 espesor (thickness)  
3 = 1/3 espesor (thickness)  
E = Espesor completo (full thickness)  
N = Núcleo (midthickness)  
L = Longitudinal  
T = Transversal  
Z = Through thickness  
D = Diagonal

(2) (1) = Núcleo (midthickness)  
(2) = Transversal  
(3) = Cabeza (top)  
(4) = Pie (bottom)  
(5) = Piel (skin)

(3) C = Cilíndrica (cylindrical)  
P = Prismática (prismatic)  
(4) RESILIENCIA (Impact test)  
J = Julios (joules)  
K = Julios/cm2  
E = Lateral exp. In mm  
F = Shear Area %  
\* Values over 240 J exceed 80% of the test equipment capacity

(5) = Bruto Laminación (as rolled)  
A = N + R  
L = Conformado de Normalización (normalizing rolling)  
T = Tratamiento Termomec. (thermomec. forming)  
N = Normalizado (normalized)  
920 ± 10°C - 1.5 min/mm  
Z = Estricción (Reduction of area) %

**ENSAYO DE TRACCION (Tensile test)**

**DOBLADO (Bend test)**

**RESILIENCIA (Impact test) DUREZA (Hardness test)**

**OTROS ENSAYOS (Other tests)**

POSICION (Item)	COLADA (Heat)	IDENTIFICACION DE LA CHAPA (Plate no.)	ESTADO SUMINISTRO (As delivered cond.)	ULTRASONIDOS (UST Test)	IDENTIFICACION DE LA MUESTRA (Sample no.)	ESPESOR DE LA MUESTRA (Thickness of sample)	Trat. Térmico Probeta (PWHT of Test Samples)	LOCALIZACION (Location)	ORIENTACION (Orientat.)	TEMP. ENSA. (Test temp. C)	FORMA PROBETA (Shape of Specimen)	MPA (N/MM2)			ALARGAMIENTO (Elongation)	ALARGAMIENTO (Elongation)	ESTRICCION (Reduction of Area)	LOCALIZACION (Location)	ORIENTACION (Orientation)	MANDRIL (Mandrel)	ANGULO (Angle)	B = BIEN (OK)	ORIENTACION (Orientation)	LOCALIZACION (Location)	UNIDADES (Units)	TEMP. ENSAYO (Test temp. C)	INDIVIDUALES (Single values)			MEDIA (Average)	TIPO DE ENSAYO (Type of test)
												Re	C11	Rm													C13	C14	C15		
A10	B07	B07	B04	D02	C00	10,00	PE T	(1)	(2)	C08	P	383	35,6	5/6 65	C2*P8*	%	(1)	(2)	f = nE	C52	(2)	(1)	(4)	1	2	3	116	ISO-V 7,5			
004	203340	44779271	(5)		0726108	10,00	PE T				P	383	35,6									PS J	-20	070	120	157	116	ISO-V 7,5			
		44779281			0726108	10,00	PE T				P	383	35,6									PS J	-20	070	120	157	116	ISO-V 7,5			
		44779282			0726108	10,00	PE T				P	383	35,6									PS J	-20	070	120	157	116	ISO-V 7,5			
		44779291			0726108	10,00	PE T				P	383	35,6									PS J	-20	070	120	157	116	ISO-V 7,5			
		44779292			0726108	10,00	PE T				P	383	35,6									PS J	-20	070	120	157	116	ISO-V 7,5			
		44779301			0726089	12,00	PE T				P	392	34,3									PS J	-20	135	152	150	146	ISO-V 10			
		44779302			0726112	12,00	PE T				P	392	34,3									PS J	-20	135	152	150	146	ISO-V 10			
		88375471			0726112	12,00	PE T				P	397	32,4									PS J	-20	132	152	152	123	ISO-V 10			
		88375472			0726112	12,00	PE T				P	397	32,4									PS J	-20	132	152	152	123	ISO-V 10			
		88375481			0726112	12,00	PE T				P	397	32,4									PS J	-20	132	152	152	123	ISO-V 10			
		88375482			0726112	12,00	PE T				P	397	32,4									PS J	-20	132	152	152	123	ISO-V 10			
		88375491			0726115	12,00	PE T				P	376	32,4									PS J	-20	144	112	174	143	ISO-V 10			
		88375492			0726115	12,00	PE T				P	376	32,4									PS J	-20	144	112	174	143	ISO-V 10			
		88375501			0726115	10,00	PE T				P	383	35,6									PS J	-20	166	157	157	116	ISO-V 7,5			
		88375502			0726108	10,00	PE T				P	383	35,6									PS J	-20	166	157	157	116	ISO-V 7,5			
		88375511			0726116	12,00	PE T				P	375	35,6									PS J	-20	166	158	142	155	ISO-V 10			
		88375512			0726116	12,00	PE T				P	375	35,6									PS J	-20	166	158	142	155	ISO-V 10			
		88375521			0726108	10,00	PE T				P	383	35,6									PS J	-20	070	120	157	116	ISO-V 7,5			
		88375522			0726108	10,00	PE T				P	383	35,6									PS J	-20	070	120	157	116	ISO-V 7,5			

Por la Sociedad Inspectora  
(For the Classification Society)

Por (For)  
Juan Manuel Virgil Fernández  
Jefe de Calidad Chapas Gruesas  
Heavy Plate Quality Manager  
Flat Carbon Europe

