



**ArcelorMittal**  
Factoria de Gijón



**CHAPA**  
PLATE  
BLECHE  
TOLES  
LAMIERE

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

**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

ORDEN SUMINISTRO /  
Works order  
B056615  
GB32FE001W

N. CERTIFICADO /  
N. Certificate  
G1561199-02 Page of  
02

CLIENTE / Customer  
FEON OY  
TEOLLISUUSKATU 33  
00510 - HELSINKI  
FINLANDIA

FECHA / Date 2023-05-10  
PEDIDO CLIENTE Customer's order  
46172

SOCIEDAD INSPECTORA /  
Classification Society  
ARCELOR

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

COMPOSICION QUIMICA ( Chemical composition )

Las chapas amparadas por este certificado cumplen con los requisitos de la especificación y de la orden de suministro

We certify hereby that the plates mentioned in this certificate comply with the specification and order requirements

**ESPECIFICACION / Specification**

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



QP00020 UKCA\_FC\_V001  
EN 10025-2:2019  
S355K2+N/V1.0596

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

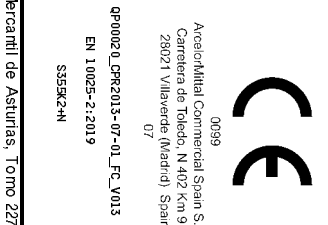
ENS

ENS

| DIMENSIONES (Dimensions) mm  | PESO (Weight) Kg               | N.PIEZAS (Number of pieces) | COLADA (Heat)                        | NUMERO DE LA MUESTRA (Sample no.) | COMPOSICION QUIMICA ( Chemical composition ) |                              |                              |                                  |                              |                              |                                  |                                  |                                  |                                  |                                  |                                  |                                  | CQ01 (Grain size) C80            |                                  |     |     |     |     |     |  |  |                              |
|--|--------------------------------|-----------------------------|--------------------------------------|-----------------------------------|--|------------------------------|------------------------------|----------------------------------|------------------------------|------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-----|-----|-----|-----|-----|--|--|------------------------------|
|  |                                |                             |                                      |                                   | C  | Mn                           | Si                           | S                                | P                            | Al                           | N                                | CU                               | NI                               | CR                               | MO                               | NB                               | V                                |                                  | TI                               | B   |     |     |     |     |  |  |                              |
| A10<br>ESPESOR ANCHO LARGO (Thickness) (Width) (Length)<br>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 |  |  |                              |
| 40,00 2000 6000  | 15072<br>15072<br>3768<br>7536 | 4<br>4<br>1<br>2            | 301043<br>301174<br>390144<br>390508 |                                   | 1,15<br>1,15<br>1,15<br>1,15                 | 1,38<br>1,37<br>1,37<br>1,40 | 1,82<br>1,88<br>1,89<br>1,97 | 0,005<br>0,009<br>0,007<br>0,007 | 0,14<br>0,14<br>0,23<br>0,14 | 0,28<br>0,27<br>0,34<br>0,29 | 0,049<br>0,037<br>0,036<br>0,038 | 0,071<br>0,034<br>0,032<br>0,041 | 0,042<br>0,018<br>0,015<br>0,030 | 0,064<br>0,036<br>0,034<br>0,051 | 0,005<br>0,006<br>0,008<br>0,011 | 0,017<br>0,018<br>0,018<br>0,019 | 0,002<br>0,006<br>0,003<br>0,008 | 0,002<br>0,002<br>0,001<br>0,002 | 0,004<br>0,004<br>0,002<br>0,003 |     |     |     |     |     |  |  | 0,40<br>0,39<br>0,39<br>0,40 |
| TOTAL :  | 41448                          | 11                          |                                      |                                   |  |                              |                              |                                  |                              |                              |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |     |     |     |     |     |  |  |                              |

C001 : C+Mn/6+(CR+MO+V)/5+(NT+CU)/15  
TH TOL ACCORDING TO EN 10029 CLASS B  
SURFACE QUALITY ACC. EN10163-2 CLASS B SUBCLASS 3  
FLATNESS TOLERANCE: EN 10029 (2010) CLASS N

[http://dop.arcelormittal.net/pdf/QP00020\\_UKCA\\_FC\\_V001\\_EN.FI.pdf](http://dop.arcelormittal.net/pdf/QP00020_UKCA_FC_V001_EN.FI.pdf)  
[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)



Use previsto: estructuras soldadas, atornilladas o remachadas. (Intended to be used in welded, bolted and riveted structure)  
Limite elastico (Yield strength)\*  
Resistencia a traccion (Tensile strength)\*  
Alargamiento (Elongation)\*  
Reis. flexion choque (Impact strength)\*  
Soldabilidad (Weldability)\*  
Durabilidad (Durability)\*  
\* Expresado como se indica en el DOP (Expressed as indicated in the DOP)

Por la Sociedad Inspectora (for the classification society)

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



ArcelorMittal España, S.A.  
Residencia la Granda  
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

FEON OY  
TEOLLITSUUSKATU 33  
00510 - HELSINKI  
FINLANDIA

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

ENSAYO DE TRACCION (Tensile test)

PEDIDO CLIENTE Customer's order  
46172

**ENSAYO DE TRACCION (Tensile test)**

**DOBLADO (Bend test)**

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

| POSICION (Item) | COLADA (Heat) | IDENTIFICACION DE LA CHAPA (Plate no.) | ESTADO SUMINISTRO (As delivered cond.) | ULTRASONIDOS (UST Test) | IDENTIFICACION DE LA MUESTRA (Sample no.) | ESESOR DE LA MUESTRA (Thickness of sample) mm | Trat. Térmico Probeta (PWHT of Test Samples) | LOCALIZACION (Location) |         |         | TEMP. ENSA. (Test temp. C) | FORMA PROBETA (Shape of Specimen) | MPA (N/MM2)       |              |              | ALARGAMIENTO (Elongation) % | ALARGAMIENTO (Elongation) C2*Pg* % | ESTRICCION (Reduction of Area) % | LOCALIZACION (Location) | ORIENTACION (Orientation) | MANDRIL (Mandrel) | ANGULO (Angle) | ORIENTACION (Orientation) | LOCALIZACION (Location) | UNIDADES (Units) | TEMP. ENSA. (Test temp. C) | INDIVIDUALES (Single values) |     |          | MEDIA (Average) | TIPO DE ENSAYO (Type of test) |
|-----------------|---------------|--|--|-------------------------|---|---|--|-------------------------|---------|---------|----------------------------|-----------------------------------|-------------------|--------------|--------------|-----------------------------|------------------------------------|----------------------------------|-------------------------|---------------------------|-------------------|----------------|---------------------------|-------------------------|------------------|----------------------------|------------------------------|-----|----------|-----------------|-------------------------------|
|                 |               |  |  |                         |   |   |  | (1) CO1                 | (2) CO2 | (3) CO3 |                            |                                   | Re SUPERIOR (Y.P) | 0.2 % (Y.S.) | 0.5 % (Y.S.) |                             |                                    |                                  |                         |                           |                   |                |                           |                         |                  |                            | Rm (T.S.)                    | C16 | C13      |                 |                               |
| A10 B07         |               |  | B04                                    | D02                     | C00                                       | 40,00   | B05  | (1) CO1                 | (2) CO2 | CO3     | (3) CO10                   | P                                 | 374               | 520          | 26,3         |                             |                                    | (1) CO1                          |                         |                           |                   | (2) CO2        | (1) CO1                   | (4) CO3                 | CO3              | 1                          | 2                            | 3   | 132      | ISO-V 10        |                               |
| B07             |               |  |  |                         |   | 34,00   |  |                         |         |         |                            | P                                 | 374               | 520          | 26,3         |                             |                                    |                                  |                         |                           |                   |                |                           |                         | 1                |                            |                              | 132 | ISO-V 10 |                 |                               |
| 301043          |               |  |  |                         |   | 40,00   |  |                         |         |         |                            | P                                 | 374               | 520          | 26,3         |                             |                                    |                                  |                         |                           |                   |                |                           |                         | 1                |                            |                              | 132 | ISO-V 10 |                 |                               |
| 390508          |               |  |  |                         |   | 36,80   |  |                         |         |         |                            | P                                 | 393               | 534          | 29,9         |                             |                                    |                                  |                         |                           |                   |                |                           |                         | 1                |                            |                              | 151 | ISO-V 10 |                 |                               |
| 301043          |               |  |  |                         |   | 36,80   |  |                         |         |         |                            | P                                 | 387               | 523          | 29,6         |                             |                                    |                                  |                         |                           |                   |                |                           |                         | 1                |                            |                              | 151 | ISO-V 10 |                 |                               |
|                 |               |  |  |                         |   | 40,00   |  |                         |         |         |                            | P                                 | 374               | 520          | 26,3         |                             |                                    |                                  |                         |                           |                   |                |                           |                         | 1                |                            |                              | 132 | ISO-V 10 |                 |                               |
| 301174          |               |  |  |                         |   | 40,00   |  |                         |         |         |                            | P                                 | 374               | 520          | 26,3         |                             |                                    |                                  |                         |                           |                   |                |                           |                         | 1                |                            |                              | 132 | ISO-V 10 |                 |                               |
|                 |               |  |  |                         |   | 40,00   |  |                         |         |         |                            | P                                 | 374               | 520          | 26,3         |                             |                                    |                                  |                         |                           |                   |                |                           |                         | 1                |                            |                              | 132 | ISO-V 10 |                 |                               |
| 390144          |               |  |  |                         |   | 34,00   |  |                         |         |         |                            | P                                 | 378               | 517          | 28,2         |                             |                                    |                                  |                         |                           |                   |                |                           |                         | 1                |                            |                              | 140 | ISO-V 10 |                 |                               |
|                 |               |  |  |                         |   | 34,00   |  |                         |         |         |                            | P                                 | 378               | 517          | 28,2         |                             |                                    |                                  |                         |                           |                   |                |                           |                         | 1                |                            |                              | 140 | ISO-V 10 |                 |                               |
|                 |               |  |  |                         |   | 40,00   |  |                         |         |         |                            | P                                 | 368               | 510          | 31,0         |                             |                                    |                                  |                         |                           |                   |                |                           |                         | 1                |                            |                              | 140 | ISO-V 10 |                 |                               |

Por la Sociedad Inspectora  
(For the Classification Society)

Juan Manuel Vigil Ferrández  
Jefe de Calidad Chapa Gruesa  
Heavy Plate Quality Manager  
Flat Carbon Europe

