


**Sales Agent:**  
 ArcelorMittal Int. North America  
 1 South Dearborn, 13th floor  
 CHICAGO IL 60603  
 USA

**ArcelorMittal Belval & Differdange**  
 Service Gestion Qualité  
 68, rue de Luxembourg  
 L-4009 Esch/Alzette



**Plant:**  
 ArcelorMittal Belval & Differdange  
 Site de Differdange  
 L-4503 Differdange

**Certificate Nr X 2386263**  
 Delivery note number 2386263 from 29 September 2012

Our reference : 1700015260  
 Your reference : 4500039444  
 14.08.2012  
 Lámina y Placa Comercial, S. A. de

Lámina y Placa Comercial, S. A. de C. V.  
 Ocampo 250 Pte. Piso 6, Letra A, Centro,  
 64000 MONTERREY  
 MEXIQUE

**ASTM A992 - ASTM A572 GR50 FINE GRAIN SILICON KILLED**

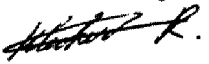
**Manufacturer's test certificate acc. to ASTM A 6**

| Ord.item | Product         | Length           | Weight    | Heat nr | Weight   | Bund. | Bars |
|----------|-----------------|------------------|-----------|---------|----------|-------|------|
| 000001   | W 12 X 12 X 72  | 40'<br>12.192 mm | 18,270 mt |         |          |       |      |
|          |                 |                  |           | 46405   | 7,830 mt | 6     |      |
|          |                 |                  |           | 46406   | 5,220 mt | 4     |      |
|          |                 |                  |           | 56404   | 5,220 mt | 4     |      |
| 000002   | W 12 X 12 X 87  | 40'<br>12.192 mm | 7,865 mt  |         |          |       |      |
|          |                 |                  |           | 46331   | 7,865 mt | 5     |      |
| 000003   | W 12 X 12 X 120 | 40'<br>12.192 mm | 8,728 mt  |         |          |       |      |
|          |                 |                  |           | 46405   | 8,728 mt | 4     |      |

| Heat nr | Heat analysis (%) |      |      |       |       |      |       |      |      |       |       |       |       |       |            |  |
|---------|-------------------|------|------|-------|-------|------|-------|------|------|-------|-------|-------|-------|-------|------------|--|
|         | C                 | Mn   | P    | S     | Si    | N    | Cu    | Ni   | Cr   | V     | Nb    | Mo    | CEV   | Sn    | Nb+V       |  |
|         | <b>Min</b>        | 0,50 |      |       | 0,10  |      |       |      |      |       |       |       |       |       |            |  |
|         | <b>Max</b>        | 0,23 | 1,60 | 0,035 | 0,045 | 0,40 | 0,60  | 0,45 | 0,35 | 0,150 | 0,050 | 0,150 | 0,45  | 0,150 |            |  |
| 46331   |                   | 0,06 | 1,04 | 0,019 | 0,014 | 0,20 | 0,008 | 0,38 | 0,24 | 0,14  | 0,012 | 0,002 | 0,060 | 0,32  | 0,02 0,014 |  |
| 46405   |                   | 0,07 | 1,10 | 0,014 | 0,025 | 0,18 | 0,009 | 0,36 | 0,17 | 0,10  | 0,011 | 0,002 | 0,040 | 0,32  | 0,03 0,013 |  |
| 46406   |                   | 0,07 | 1,10 | 0,022 | 0,025 | 0,22 | 0,008 | 0,36 | 0,16 | 0,12  | 0,013 | 0,003 | 0,040 | 0,32  | 0,03 0,016 |  |
| 56404   |                   | 0,06 | 1,07 | 0,024 | 0,022 | 0,15 | 0,009 | 0,34 | 0,18 | 0,13  | 0,015 | 0,002 | 0,050 | 0,31  | 0,03 0,017 |  |


| Heat nr | Tensile test |        |         |       |      |
|---------|--------------|--------|---------|-------|------|
|         | PSI          | PSI    | 200 mm  |       |      |
|         | Ys           | UTS    | El. (%) | Y/U   |      |
|         | <b>Min</b>   | 50.000 | 65.000  | 18,00 |      |
|         | <b>Max</b>   | 65.000 |         | 0,85  |      |
| 46331   |              | 62.930 | 75.690  | 23,78 | 0,83 |
| 46331   |              | 63.510 | 76.415  | 24,02 | 0,83 |
| 46405   |              | 62.060 | 75.545  | 23,81 | 0,82 |
| 46405   |              | 63.220 | 76.995  | 24,29 | 0,82 |
| 46405   |              | 62.640 | 76.270  | 24,05 | 0,82 |

Kleckler Roberto  
 Porteur de signature spéciale



**Sales Agent:**  
 ArcelorMittal Int. North America  
 1 South Dearborn, 13th floor  
 CHICAGO IL 60603  
 USA

**ArcelorMittal Belval & Differdange**  
 Service Gestion Qualité  
 66, rue de Luxembourg  
 L-4009 Esch/Alzette



**Plant:**  
 ArcelorMittal Belval & Differdange  
 Site de Differdange  
 L-4503 Differdange

**Certificate Nr X 2386263**  
 Delivery note number 2386263 from 29 September 2012

Our reference : 1700015260  
 Your reference : 4500039444  
 14.08.2012  
 Lámina y Placa Comercial, S. A. de

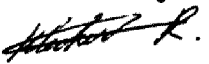
Lámina y Placa Comercial, S. A. de C. V.  
 Ocampo 250 Pte. Piso 6, Letra A, Centro,  
 64000 MONTERREY  
 MEXIQUE

**ASTM A992 - ASTM A572 GR50 FINE GRAIN SILICON KILLED**

**Manufacturer's test certificate acc. to ASTM A 6**

| Heat nr    | Tensile test   |        |         |      |  |
|------------|----------------|--------|---------|------|--|
|            | PSI            | PSI    | 200 mm  |      |  |
|            | Y <sub>s</sub> | UTS    | El. (%) | Y/U  |  |
| <b>Min</b> | 50.000         | 65.000 | 18,00   |      |  |
| <b>Max</b> | 65.000         |        |         | 0,85 |  |
| 46405      | 62.640         | 76.270 | 24,05   | 0,82 |  |
| 46406      | 63.800         | 77.285 | 23,82   | 0,83 |  |
| 46406      | 64.380         | 78.010 | 24,06   | 0,83 |  |
| 56404      | 62.785         | 75.835 | 24,14   | 0,83 |  |
| 56404      | 62.205         | 75.110 | 23,90   | 0,83 |  |

Klecker Roberto  
 Porteur de signature spéciale



**Sales Agent:**  
 ArcelorMittal Int. North America  
 1 South Dearborn, 13th floor  
 CHICAGO IL 60603  
 USA

**ArcelorMittal Belval & Differdange**  
 Service Gestion Qualité  
 66, rue de Luxembourg  
 L-4009 Esch/Alzette



**Plant:**  
 ArcelorMittal Belval & Differdange  
 Site de Differdange  
 L-4503 Differdange

**Certificate Nr X 2386493**

Delivery note number 2386493 from 29 September 2012

Our reference : 1700015260  
 Your reference : 4500039444  
 14.08.2012  
 Lámina y Placa Comercial, S. A. de

**ASTM A992 - ASTM A572 GR50 FINE GRAIN SILICON KILLED**

Manufacturer's test certificate acc. to ASTM A 6

Lámina y Placa Comercial, S. A. de C. V.  
 Ocampo 250 Pte. Piso 6, Letra A, Centro,  
 64000 MONTERREY  
 MEXIQUE

| Ord.item | Product         | Length           | Weight    | Heat nr        | Weight               | Bund. | Bars   |
|----------|-----------------|------------------|-----------|----------------|----------------------|-------|--------|
| 000002   | W 12 X 12 X 87  | 40'<br>12.192 mm | 9,438 mt  | 46328<br>46383 | 6,292 mt<br>3,146 mt |       | 4<br>2 |
| 000003   | W 12 X 12 X 120 | 40'<br>12.192 mm | 19,638 mt | 46405          | 19,638 mt            |       | 9      |

| Heat nr | Heat analysis (%) |      |      |       |       |      |       |      |      |       |       |       |       |       |      |       |
|---------|-------------------|------|------|-------|-------|------|-------|------|------|-------|-------|-------|-------|-------|------|-------|
|         | C                 | Mn   | P    | S     | Si    | N    | Cu    | Ni   | Cr   | V     | Nb    | Mo    | CEV   | Sn    | Nb+V |       |
|         | Min               | 0,50 |      |       | 0,10  |      |       |      |      |       |       |       |       |       |      |       |
|         | Max               | 0,23 | 1,60 | 0,035 | 0,045 | 0,40 | 0,60  | 0,45 | 0,35 | 0,150 | 0,050 | 0,150 | 0,45  | 0,150 |      |       |
| 46328   |                   | 0,06 | 1,09 | 0,019 | 0,021 | 0,18 | 0,010 | 0,36 | 0,19 | 0,10  | 0,015 | 0,002 | 0,050 | 0,31  | 0,02 | 0,017 |
| 46383   |                   | 0,07 | 1,07 | 0,026 | 0,028 | 0,19 | 0,009 | 0,38 | 0,19 | 0,13  | 0,012 | 0,002 | 0,050 | 0,32  | 0,02 | 0,014 |
| 46405   |                   | 0,07 | 1,10 | 0,014 | 0,025 | 0,18 | 0,009 | 0,36 | 0,17 | 0,10  | 0,011 | 0,002 | 0,040 | 0,32  | 0,03 | 0,013 |

| Heat nr | Tensile test |        |            |       |      |  |
|---------|--------------|--------|------------|-------|------|--|
|         | PSI          |        | PSI 200 mm |       |      |  |
|         | Ys           | UTS    | El. (%)    | Y/U   |      |  |
|         | Min          | 50.000 | 65.000     | 18,00 |      |  |
|         | Max          | 65.000 |            |       | 0,85 |  |
| 46328   |              | 62.930 | 75.835     | 24,14 | 0,83 |  |
| 46328   |              | 62.350 | 75.110     | 23,90 | 0,83 |  |
| 46383   |              | 63.075 | 76.560     | 23,58 | 0,82 |  |
| 46383   |              | 64.235 | 78.010     | 24,06 | 0,82 |  |
| 46405   |              | 63.220 | 76.995     | 24,29 | 0,82 |  |
| 46405   |              | 62.640 | 76.270     | 24,05 | 0,82 |  |

Klecker Roberto  
 Porteur de signature spéciale