| | AT. | Kund House | ť | | Je | Jean-François Liesch Christophe Houyoux | | and on behalf of the manufacturer by: | responsibility of the manufacturer identified in point 3. Signed for | This declaration of performance is issued under the sole | contormity with the declared performance in the table. | The performance of the product identified in points 1 and 2 is in | | | froduction control and issued the certificate of conformity of the | continuous surveillance, assessment, and evaluation of factory | manufacturing plant and of factory production control and the | Stahl, Holz und Steine performed the initial inspection of the | Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für | Notified factory production control certification body No. 0769 | System 2+ | performance of the product: | System of assessment and verification of constancy of | www.al.celollilitiai.colli/sections | ununu arcelormittal convections | ראסטס טווופוממחשפ (ש.ש. סו במצפה) דבוי אמצי בצבי באסט סאסט | | | 3) Arceiorivittal beival and Differdange S.A | | To be used in welded, bolted and riveted structures | with the applicable harmonised technical specification, as foreseen by the manufacturer: | Intended use or uses of the construction product, in accordance | | 2) Type: Sections/Rars \$235.18 according EN 10025-2 | 1) Code of the product type: 1.0038 | | No AMPI-2/01-CPR-12-1 | according to regulation EU No 305/2011) | Declaration of Declaration | | Arceior/Miliai | | 7 |
|---|--|------------|----------------|--------------------------|------------------------|---|------|---------------------------------------|--|--|--|---|------------------------|-----|--|--|---|--|---|---|-----------|-----------------------------|---|-------------------------------------|---------------------------------|---|----|-----|--|-----|---|---|---|----------|--|-------------------------------------|---------------|-----------------------|---|----------------------------|--|----------------|--|---|
| conte | • The | | | (Chemical composition) > | Γ | 40 | 30 | | | Weldability | | v | Impact strength | 100 | 63 | 40 | 5 | – | Elongation | 100 | =3 | | Tensile strength | 100 | 80 | 63 | 40 | 16 | | v | Yield strength | H | H | | | dimensions and shape | Tolerances on | | Essential characteristic | | | | | |
| ent of 0,020% of it sufficient other N bind | e max value for nitrogen does not apply it | | 140 | | Nominal thickness (mm) | 0 140 | 0 40 | 30 | ~ | Nominal thickness (mm) | 140 | ī | Nominal thickness (mm) | 140 | 3 100 | 63 | | iv | Nominal thickness (mm) | 10 140 | 3 100 | IV | ominal thick | | | | | | 16 | N | Nominal thickness (mm) | HD360/400, UB1016, HE1000 with G _{HE} > G _{HEM} | HL920, HL1000 with GHL>GHLM, | UPE, UPN | Tapered Flange I | I and H sections | Angles | | naracteristic | | | | | |
| ng elements are present | composition show | | C:0,17 Cu:0,55 | ma | Values (%) | 0,38 | 0,35 | 0,35 | max | Values (%) | 27 at +20°C | min | Values (J) | 22 | 24 | 25 | 26 | mîn | Values (%) | 350 500 | | min max | Values (MPa) | 195 | | 215 | | 225 | 235 | min | Values (MPa) | ASTM A6 | | EN 10279 | EN 10024 | EN 10034 | EN10056-2 | | Performance | | | | | |
| | | | | | | | | | | | | | | | 1 | | | | EN 10025-1:2004 | | | | | | | | | | | | | | | | | | | specification | technical | Lamanipal | | | | |

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| Date - 01 07 2013 | A Martin A | Juin Mounes | | ye | Jean-François Liesch Christophe Houyoux | | and on behalf of the manufacturer by: | responsibility of the manufacturer identified in point 3. Signed for | This declaration of performance is issued under the sole | contronnity with the deciated performance in the table. | i ne periormance or the product identified in points 1 and 2 is in | | | production control and issued the certificate of conformity of the | continuous surveillance, assessment, and evaluation of factory | manufacturing plant and of factory production control and the | Staht, Holz und Steine performed the initial inspection of the | Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für | Notified factory production control certification body No. 0769 | System 2+ | performance of the product: | System of assessment and verification of constancy of | www.arceiormittal.com/sections | | ב-4-200 בווופועמושפ (ש.ש. טו בעצפוווטטעוש) דבוי בבה בבה בבה בבה בבה דבוי | | Dire Or Directariye | 3) Alceivinitial beivar and Differdance | | To be used in welded, bolted and riveted structures | foreseen by the manufacturer: | Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification as | | 2) Type: Sections/Bars S235J2 according EN 10025-2 | 1) Code of the product type: 1.0117 | | No AMDI-2/03-CPR-13-1 | Declaration of Performance (according to regulation EU No 305/2011) | | ArcelorMittal | 9 3 | 7 |) |
|-------------------|--|------------------------------|------------------------|------------------------|---|-----|---------------------------------------|--|--|---|--|------------------------|-----|--|--|---|--|---|---|-----------|-----------------------------|---|--------------------------------|-----|---|----|---------------------|---|-----|---|---|---|----------|--|-------------------------------------|---------------|-----------------------|--|--|---------------|--------|---|---|
| | | | (Chemical composition) | Durability | | | | | Weldability | | | Impact strength | | | | | | Elongation | | | Terrane anengui | Toncile strength | | | | | | | | Yield strength | | | | | almensions and snape | Tolerances on | | Essen | | | | | |
| | Fully killed (for examp | | v | Γ | 40 | 30 | | v | Non | | v | Nom | 100 | 63 | 40 | ₹ | v | Non | 100 | <u>ш</u> | | NON | 100 | 8 | <u>ස</u> | 40 | 16 | | v | Non | низы | HL920, | | | | | | Essential characteristic | | | | | |
| | Fully killed steel containing nitrogen binding element in amounts sufficient to bind the available nitrogen (for example min. 0.02% At) | 140 | I. | Nominal thickness (mm) | 140 | 40 | 30 | 5 | Nominal thickness (mm) | 140 | ĸ | Nominal thickness (mm) | 140 | 100 | 63 | 40 | | Nominal thickness (mm) | 140 | 100 | | | 140 | 100 | 80 | හි | 40 | 16 | N | Nominal thickness (mm) | with G _{HE} > G _{HEM} | HL920, HL1000 with GHL>GHLM, | UPE, UPN | Tapered Flange I | I and H sections | Angles | | cteristic | | | | | |
| | lement in amounts sufficient to | C:0,17 Mn:1,40 P:0.030 | ma | Values (%) | 0,38 | 0,3 | 0,35 | па | Values (%) | 27 at -20℃ | min | Values (J) | 22 | 24 | 25 | 26 | min | Values (%) | 350 | 360 | min values (wr a) | Value | 195 | | 215 | | 225 | 235 | min | Values (MPa) | AS IM AD | ACTI | EN 10279 | EN 10 | EN 10034 | EN10056-2 | | Performance | | | | | |
| | bind the available nitrogen | Cu : 0,55 S : 0,030 | X | 5 (%) | 00 | 5 | 0 | X | 3 (%) | 20°C | 12 | s (J) | | | 51 | -, | - | | 500 | 510 | 1 | (MDa) | J | ¢ | J | | 01 | 5 | 3 | (IMPa) | 1 Ab | 1 4 6 | 1279 | 1024 | 1034 | 156-2 | | lance | | | | | |
| | | | | | | | | | • | | 4.1 | | • | | | | | EN 10025-1:2004 | | | | 1 | | | | _ | | | | | | | | | | | specification | Harmonised technical | | | | | |

| Date : 01.07.2013 | | Junio Downer | | | Site Manager Differdance Onality Manager | | | and on behalf of the manufacturer by: | responsibility of the manufacturer identified in point 3. Signed for | This declaration of performance is issued under the sole | כטוווטווווגע שונו נוופ מפטמופט עפווטווומווכפ ווו נוופ נמטופ. | ine periormance or me product mentimeran points r and z is in | The performance of the product identified in points 1 and 0 is in | | factory production optimication control | continuous surveillance, assessment, and evaluation of the | manufacturing plant and of factory production control and the | Stahl, Holz und Steine performed the initial inspection of the | Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für | Notified factory production control certification body No. 0769 | oystern 2 ⁺ | performance of the product: | System of assessment and verification of constancy of | | www.arcelormittal.com/sections | Tel: +352 5820 2870 | L-4503 Differdance (G.D. of Luxembourg) | Rue Emile Mark | | ArcelorMittal Belval and Differdance S.A | to be used in welded, bolted and riveted structures | toreseen by the manufacturer: | with the applicable harmonised technical specification, as | latondod upo or upop of the construction product in poppedance | Type: Sections/Bars S275JR according EN 10025-2 | 1) Code of the product type: 1.0044 | | No. AMDI-2/04-CPR-13-1 | (according to regulation EU No 305/2011) | Declaration of Performance | | ArcelorMittal |) | 7 | |
|-------------------|--|--------------|-------------------|------------------------|--|------|-------|---------------------------------------|--|--|--|---|---|-----------|---|--|---|--|---|---|------------------------|-----------------------------|---|-----|--------------------------------|---------------------|---|----------------|-----|--|---|---|---|--|---|-------------------------------------|---------------|------------------------|--|----------------------------|--|---------------|---|---|--|
| | | | | (Chemical composition) | Durability | | | | | Weldability | | | Impact strength | | | | | | Elongation | | | | Tensile strength | | | | | | | | Yield strength | | | | | dimensions and shape | Tolerances on | | Essenti | | | | | | |
| | * The max, value for nitrogen does not apply if the chemical compositic content of 0,020% or if sufficient other N binding elements are present | | | | Jominal thick | | 30 40 | 30 | × | Nominal thickness (mm) | 140 | v | Nominal thickness (mm) | 100 140 | | 40 63 | | | Nominal thickness (mm) | 100 140 | =3 100 | | ominal thick | | 80 100 | | | | - | v v | Nominal thickn | with G _{HE} > G _{HEM} | HL920, HL1000 with G _{HL} >G _{HLM} , HD360/400, UB1016, HE1000 | | Tapered Flange I | I and H sections | Angles | | Essential characteristic | | | | | | |
| | If the chemical composition shows a minimum total Al ling elements are present | | C: 0.21 Cu : 0.55 | max | Values (%) | 0.42 | 0.40 | 0,40 | max | Values (%) | 27 at +20°C | min | Values (J) | 19 | 21 | 22 | 23 | min | Values (%) | | 410 560 | min max | Values (MPa) | 225 | 235 | 245 | 255 | 265 | C1Z | Inin | Values (MPa) | | ASTM A6 | EN 10279 | EN 10024 | EN 10034 | EN10056-2 | | Performance | | | | | | |
| | | | | | | | | | | | | | | | | | | | EN 10025-1:2004 | | | | | | | | | | | | | | | | | | | specification | technical | Harmonicon | | | | | |

| X | Not Nor | ŧ | | ge | Jean-François Liesch Christophe Houyoux | | and on behalf of the manufacturer by: | responsibility of the manufacturer identified in point 3. Signed for | This declaration of performance is issued under the sole | contronnity with the declared performance in the table. | ni si z una i sinto di una portoria padamana in technologia della si in technologia della si in technologia del | The portermance of the product identified in points | | production control and tasked the centrol. | continuous surveillance, assessment, and evaluation of factory | manufacturing plant and of factory production control and the | Stahl, Holz und Steine performed the initial inspection of the | Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für | Notified factory production control certification body No. 0769 | System 2+ | System of assessment and verification of constancy of | | www.arcelormittal.com/sections | Tel: +352 5820 2870 | L-4503 Differdange (G.D. of Luxembo | Rue Emile Mark | | ArcelorMittal Belval and Differdange S.A | To be used in welded, bolted and riveted structures | foreseen by the manufacturer: | intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as | | 2) Type: Sections/Bars S275J0 according EN 10025-2 | 1) Code of the product type: 1.0143 | | No AMD1-2/05-CPR-13-1 | according to regulation EU No 305/2011) | Declaration of Declaration | | ArcolorMittal | 4 |) | 17 | |
|--|-----------|--------------------------|--------------------------|------------------------|---|------|---------------------------------------|--|--|---|---|---|-----|--|--|---|--|---|---|-----------|---|-----|--------------------------------|---------------------|-------------------------------------|----------------|-----|--|---|---|--|----------|--|-------------------------------------|-----------|-----------------------|---|----------------------------|--|---------------|---|---|----|--|
| * The max, ve content of 0.0 | aputa . | | (Cnemical composition) > | Durability | 4 | 30 | | :3. Signed for | Weldability | | | Impact strength | 10 | | | | | Elongation | 1 | v | Tensile strength | 100 | 80 | 1 | | 16 | | S.A | Yield strength | | | | | | | | 1) Essential characteristic | | | | | | | |
| * The max value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0.020% or if sufficient other N binding elements are present | P : 0.035 | 140 C: 0,18 Mn : 1,50 | | Nominal thickness (mm) | 140 | 40 | 30 | IV | Nominal thickness (mm) | 140 | IA | Nominal thickness (mm) | 140 | 100 | 8 | 40 | IA | Nominal thickness (mm) | 140 400 | | Nominal thickness (mm) | 140 | 100 | 80 | 63 | 40 | ō | ţ, IV | Nominal thickness (mm) | with G _{HE} > G _{HEM} | HL920, HL1000 with G _{HL} >G _{HLM} , HD360/400, UB1016, HE1000 | UPE, UPN | Tapered Flange I | I and H sections | Angles | | eristic | | | | | | | |
| present | | Cu: 0,55 | ma | Values (%) | 0,42 | 0,40 | 0,40 | max | Values (%) | 27 at 0°C | min | Values (J) | 19 | 21 | 22 | 23 | min | Values (%) EN 1 | | | Values (MPa) | 225 | 235 | 245 | 255 | 265 | C17 | min | Values (MPa) | | ASTM A6 | EN 10279 | EN 10024 | EN 10034 | EN10056-2 | | Performance t | | | | | | | |
| | | | | | | | | | | | | | | | | | | EN 10025-1:2004 | | | | | | | | | | | | | | | | | | specification | Harmonised technical | | | | | | | |

| Date : 01.07.2013 | | Minday Margare | | Site Manager Differdange Quality Manager | 0 | | and on behalf of the manufacturer by: | responsibility of the manufacturer identified in point 3. Signed for | This declaration of performance is issued under the sole | | conformity with the declared performance in the table | The performance of the product identified in points 1 and 3 is in | | production control and issued the certificate of conformity of the | continuous surveillance, assessment, and evaluation of factory | manufacturing plant and of factory production control and the | Stahl, Holz und Steine performed the initial inspection of the | Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für | Notified factory production control certification body No. 0769 | System 2+ | performance of the product: | System of assessment and verification of constancy of | www.arcelormittal.com/sections | Tel: +352 5820 2870 | L-4503 Differdange (G.D. of Luxembourg) | Rue Emile Mark | | ArcelorMittal Belval and Differdance S.A | To be used in welded, bolted and riveted structures | foreseen by the manufacturer: | with the applicable harmonised technical specification, as | Intended use of the construction product in accordance | 2) Type: Sections/Bars S275J2 according EN 10025-2 | | | No. AMDI-2/06-CPR-13-1 | Declaration of Performance (according to regulation EU No 305/2011) | ArcelorMittal | |
|-------------------|--|------------------------------------|--------|--|--------|------|---------------------------------------|--|--|-------------|---|---|---------|--|--|---|--|---|---|-----------|-----------------------------|---|--------------------------------|---------------------|---|----------------|-----|--|---|-------------------------------|--|--|--|----------|---------------|------------------------|--|---------------|--|
| | | | | Durability | | | | | Weldability | | | Impact strength | | | | | | Elongation | | | i ensile strengtn | Tomollo offermath | | | | | | | Yield strength | | | | | | Tolerances on | 1 | Esser | | |
| | Fully killed steel containing nitrogen binding (for example min, 0,02% Al) | 140 | V V | Nominal thickn | 40 140 | | | V IA | Nominal thickness (mm) | | V S | Nominal thickn | 100 140 | | 40 63 | =3 40 | | ominal thick | | | Nominal thickness (mm) | | | | | | | v ; 14 | Nominal thickn | with GHE > GHEM | HD360/400 UR1016 HE1000 | UPE, UPN | Tapered Flange I | | Angles | | Essential characteristic | | |
| | Fully killed steel containing nitrogen binding element in amounts sufficient to bind the available nitrogen (for example min. 0,02% AI) | C : 0,18 Mn : 1,50 P : 0,030 | ma | Values (%) | 0,42 | 0,40 | 0,40 | max | Values (%) | 27 at -20°C | min | Values (J) | 19 | 21 | 22 | 23 | min | Values (%) | | 410 560 | values (MPa) | CZ7 | 230 | 245 | CC7 | 202 | 275 | min | Values (MPa) | | ASTM AS | EN 10279 | EN 10024 | EN 10034 | EN10056-2 | | Performance | | |
| |)gen | | | | | | | | | | | | | | | | | EN 10025-1:2004 | | | | | | | | | | | | | | | | | | specification | Harmonised technical | | |

| Date : 01.07.2013 |) | Alt I | Yund. Nounce | 5 | | Site Manager Differdange Quality Manager | 0 | | and on behalf of the manufacturer by: | responsibility of the manufacturer identified in point 3. Signed for | This declaration of performance is issued under the sole | controlitative metaled performance in the table. | conformity with the declared performance in the table | The performance of the product identified in point 4 and 0 in in | | production control factory production control | continuous surveillance, assessment, and evaluation of factory | manufacturing plant and of factory production control and the | Stahl, Holz und Steine performed the initial inspection of the | Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für | Notified factory production control certification body No. 0769 | System 2+ | performance of the product: | System of assessment and verification of constancy of | www.arcelormittal.com/sections | Tel: +352 5820 2870 | L-4503 Differdange (G.D. of Luxembourg) | Rue Emile Mark | | ArcelorMittal Belval and Differdange S.A | To be used in welded, bolted and riveted structures | roreseen by the manufacturer: | with the applicable harmonised technical specification, as | Intended use or uses of the construction product, in accordance | 2) Type: Sections/Bars S355JR according EN 10025-2 | | | No. AMDI-2/07-CPR-13-1 | Declaration of Performance (according to regulation EU No 305/2011) | ArcelorMittal | |
|-------------------|--|-------|----------------------|-----|------------------------|--|--------|------|---------------------------------------|--|--|--|---|--|---------|---|--|---|--|---|---|-----------|-----------------------------|---|--------------------------------|---------------------|---|----------------|-----|--|---|---|--|---|--|----------|----------------------|------------------------|--|---------------|--|
| | | | | | (Chemical composition) | Durability | | | | | Weldability | | | Impact strength | | | | | | Elongation | | | | Tensile strength | | | | | | | Yield strength | | | | | | dimensions and shape | Televana | Essent | | |
| | The max_value for nitrogen does not apply content of 0.020% or if sufficient other N bing | | | 140 | V V | Nominal thickness (mm) | 40 140 | | | v | Nominal thickness (mm) | | v M | Nominal thickness (mm) | 100 140 | 63 100 | 40 63 | =3 40 | ~ | Nominal thickness (mm) | 100 140 | | | Nominal thickness (mm) | | | | | | 16 | Nominal thickn | with G _{HE} > G _{HEM} | HD360/400, UB1016, HE1000 | | | | Angles | | Essential characteristic | | |
| | The max value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0.020% or if sufficient other N binding elements are present | | Mn · 1 60 N* · 0 012 | | ma | Values (%) | 0,47 | 0,47 | 0,45 | max | Values (%) | 27 at +20°C | min | Values (J) | 18 | 20 | 21 | 22 | min | Values (%) | | 470 630 | min max | Values (MPa) | 205 | 315 | 305 | 335 | 345 | 255 | Values (MPa) | | ASTM A6 | | EN 10024 | EN 10034 | EN10056-2 | | Performance | | |
| | | | | | | | | | | | | | | | | | | | EN 10025-1:2004 | | | | | | | | | | | | | | | | | | | specification | Harmonised technical | | |

| Date : 01,07.2013 |) | Month (Month | F. F. | | ö | Jean-François Liesch Christophe Houyoux | | and on behalf of the manufacturer by: | responsibility of the manufacturer identified in point 3. Signed for | responsibility of the manufacturer identified in point 3. Signed for | This declaration of performance is issued under the sole | contormity with the declared performance in the table. | I ne performance of the product identified in points 1 and 2 is in | | | factory production control | continuous surveillance, assessment, and evaluation of factory | manufacturing plant and of factory production control and the | Stahl, Holz und Steine performed the initial inspection of the | Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für | Notified factory production control certification body No. 0769 | aysterii 2+ | Statem 24 | System of assessment and vertilication of constancy of | | www.arcelormittal.com/sections | Tel: +352 5820 2870 | L-4503 Differdange (G.D. of Luxembourg) | Rue Emile Mark | Site of Differdange | ArcelorMittal Belval and Differdange S.A | | To be used in wolded bolted and diveted strictures | with the applicable harmonised technical specification, as foreseen by the manufacturer: | Intended use or uses of the construction product, in accordance | | 2) Type: Sections/Rars S355.In according EN 10025-2 | 1) Code of the product type: 1.0553 | | No. AMDI-2/08-CPR-13-1 | (according to regulation EU No 305/2011) | Declaration of Performance | | ArcolorMittal | |
|-------------------|--|---------------|-------------------|------------------------|---------------|---|-------|---------------------------------------|--|--|--|--|--|------------------------|---------|----------------------------|--|---|--|---|---|-------------|-----------|--|---------|--------------------------------|---------------------|---|----------------|---------------------|--|----------------|--|---|---|----------|---|-------------------------------------|---------------|------------------------|--|----------------------------|--|---------------|--|
| | | | | (Chemical composition) | Durability | | | | | | Weldability | | | Impact strength | | | | | | Elongation | | | | Tensile strength | | | | | | | | าเคีย จนตามีแม | Viold strength | | | | | dimensions and snape | lolerances on | - | Essen | | | | |
| | The max, value for nitrogen does not apply content of 0.020% or if sufficient other N bio | | -10 | v | Jominal thick | 40 140 | 30 40 | | | | Nominal thickness (mm) | 140 | v 1A | Nominal thickness (mm) | 100 140 | 63 100 | | =3 40 | v IA | Nominal thickness (mm) | 100 140 | =3 100 | ~ ~ | Nominal thickness (mm) | 100 140 | | | | | 18 40 | | | Nominal thicknose (mm) | HD360/400, UB1016, HE1000 with Gue > Guest | HL920, HL1000 with G _{HL} >G _{HLM} , | UPE, UPN | Tapered Flange I | I and H sections | | | Essential characteristic | | | | |
| | The max, value for nitrogen does not apply if the chemical composition shows a minimum total AI content of 0.020%, or if sufficient other N binding elements are resent. | 0 | Si: 0,55 S: 0,035 | may | Values (%) | 0,47 | 0,47 | 0,45 | IIIdX | | Values (%) | 27 at 0°C | min | Values (J) | 18 | 20 | 21 | 22 | min | Values (%) | 450 600 | | min max | Values (MPa) | 295 | 315 | 325 | 500 | 00F | 345 | 355 | waldes (MLP4) | Values (MDa) | ASTM A6 | | EN 10279 | EN 10024 | EN 10034 | EN10056-2 | | Performance | | | | |
| | | | | | | | | | | | | | | | | | | | EN 10023-1:2004 | | | | | | | | | | | | | | | | | | | | | specification | technical | Harmonised | | | |

| Declaration of Performance (according to regulation EU No 305/2011) | Essenti | Essential characteristic | leristic | Рег | Performance | Harmonised technical specification |
|--|------------------------|--------------------------|---|---------------------------|-----------------------------------|--|
| No. AMDI-2/09-CPR-13-1 | Tolerances on | | A | | | specification |
| Code of the product type: 1 0577 | dimensions and shape | | - iges | | | |
| Conc of the product type: 1.2011 | | | and H sections | | EN 10034 | |
| Type: Sections/Bars S355J2 according EN 10025-2 | | | Tapered Flange I | ! □ | EN 10024 | |
| | | | UPE, UPN | | EN 10279 | |
| the applicable harmonised technical specification, as | | HL920, I HD360/ | HL920, HL1000 with G _{HL} >G _{HLM} , HD360/400, UB1016, HE1000 | AS | ASTM A6 | |
| foreseen by the manufacturer: | | | with GHE > GHEM | | | |
| o be used in welded, bolted and riveted structures | Yield strength | Nomi | Nominal thickness (mm) | Valu | Values (MPa) | |
| ArcelorMittal Belval and Differdance S A | | v | IN | | min | |
| Site of Differdance | | | 16 | | 355 | |
| Rue Emile Mark | | 16 | 40 | | 345 | |
| L-4503 Differdange (G.D. of Luxembourg) | | 40 | 63 | | 335 | |
| Tel: +352 5820 2870 | | 63 | 80 | | 325 | |
| www.arcelormittal.com/sections | | 80 | 100 | | 315 | |
| stem of assessment and verification of constancy of | Toncilo etronath | 100 | Nominal thickness (mm) | Val | 295 | |
| performance of the product: | | | < / right an | | | |
| System 2+ | | <u>ا</u> " | 100 | 470 | 630 | |
| d factory production control certification body No. 0769 | | 100 | 140 | 450 | 600 | _1 |
| Jher Institut für Technologie (KIT) - Versuchsanstalt für | Elongation | Nomi | Nominal thickness (mm) | | Values (%) | EN 10025-1:2004 |
| Holz und Steine performed the initial inspection of the | | v | ~ | | min | |
| acturing plant and of factory production control and the | | =3 | 40 | | 22 | |
| ious surveillance, assessment, and evaluation of factory | | 40 | 63 | | 21 | |
| ion control and issued the certificate of conformity of the | | 63 | 100 | | 20 | |
| | | 100 | 140 | | 18 | |
| | Impact strength | Nomi | Nominal thickness (mm) | Va | Values (J) | |
| normance of the product identified in points 1 and 2 is in | | v | м | | min | |
| normity with the declared performance in the table. | | | 140 | 27 | 27 at -20°C | |
| s declaration of performance is issued under the sole | Weldability | Nomi | Nominal thickness (mm) | Va | Values (%) | |
| ibility of the manufacturer identified in point 3. Signed for | | v | М | | max | |
| and on behalf of the manufacturer by: | | | 30 | | 0,45 | |
| | | 30 | 40 | | 0,47 | |
| in-François Liesch Christophe Houyoux | | 40 | 140 | | 0,47 | |
| 9e | Durability | Nomi | Nominal thickness (mm) | Va | Values (%) | |
| | (Chemical composition) | v | 'n | | max | |
| | | | 140 | C:0,20 | Cu : 0,55 | |
| XIII A | | | | Si:0,55 | S : 0,030 | |
| Manda (MOUDUS | | | | Mn : 1,60 | P:0,030 | |
| | | Fully killed si | Fully killed steel containing nitrogen binding element in amounts sufficient to bind the available nitrogen | ment in amounts sufficier | nt to bind the available nitrogen | |
| 1 | | (for example | min, 0,02% AU) | | | |
| Date - 01 07 2013 | | | | | | |

Jean-F Site Mar

Notified fa Karlsruhe Stahl, Ho continuous production The perfor confor This de responsibili

1) 2) Typ Intended us with the To be 3)

Syste

| Date · 01 07 2013 | A I I | Juint Jours | | Site Manager Differdange Quality Manager | 0 | | and on behalf of the manufacturer by: | responsibility of the manufacturer identified in point 3. Signed for | This declaration of performance is issued under the sole | | i ne periormance or the product identified in points 1 and 2 is in | | | factory production control of the certificate of controlmity of the | continuous surveillance, assessment, and evaluation of factory | manufacturing plant and of factory production control and the | Stahl, Holz und Steine performed the initial inspection of the | Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für | Notified factory production control certification body No. 0769 | System 2+ | performance of the product: | System of assessment and verification of constancy of | www.arcelormittal.com/sections | Tel: +352 5820 2870 | L-4503 Differdange (G.D. of Luxembourg) | Rue Emile Mark | Site of Differdance | 3) Arrelor Mittal Relval and Diffordance C A | To be used in welded, bolted and riveted structures | foreseen by the manufacturer: | Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as | | Type: Sections/Bars S355K2 according EN 10025-2 | 1) Code of the product type: 1.0596 | | No AMDI-2/10-0PR-13-1 | Declaration of Performance (according to regulation EU No 305/2011) | | Arcelor/Williai | | 5 |
|-------------------|--|-------------------------------|------------------------|--|------|------|---------------------------------------|--|--|-------------|--|------------------------|-----|---|--|---|--|---|---|-----------|-----------------------------|---|--------------------------------|---------------------|---|----------------|---------------------|--|---|-------------------------------|---|----------|---|-------------------------------------|---------------|-----------------------|--|--|-----------------|--|---|
| | | | (Chemical composition) | Durability | | | | | Weldability | | | Impact strength | | | | | | Elongation | | | rensile strength | Town the star with | | | | | | | Yield strength | | | | | dimensions and snape | Tolerances on | | Essen | | | | |
| | Fully killed (for example | | V | T | 40 | 8 | | v | Nom | | v | Nom | 100 | 63 | 40 | 5 | v | Nom | 100 | <u>"</u> | NOM | 100 | 80 | 63 | 40 | 16 | | v | Nom | | HL920, | | | | | | Essential characteristic | | | | |
| | Fully killed steet containing nitrogen binding element in amounts sufficient to bind the available nitrogen (for example min, 0.02% Al) | -42 42 | 110 | Nominal thickness (mm) | 140 | 40 | 30 | iv. | Nominal thickness (mm) | 140 | и | Nominal thickness (mm) | 140 | 100 | 63 | 40 | | Nominal thickness (mm) | 140 | 100 | Nominal Inickness (mm) | | 100 | 80 | 63 | 40 | 16 | м | Nominal thickness (mm) | with $G_{HE} > G_{HEM}$ | | UPE, UPN | Tapered Flange I | I and H sections | Angles | | teristic | | | | |
| | element in amour | Si: 0,55 | 0.000 | | | | | | | | | | | | | | | | 450 | 470 | 3 | | | | | | | | | | | | | | | | | | | | |
| | hts sufficient to b | | ma | Values (%) | 0,47 | 0,47 | 0,45 | max | Values (%) | 40 at -20°C | min | Values (J) | 18 | 20 | 21 | 22 | min | Values (%) | | | values (MPa) | 295 | 315 | 325 | 335 | 345 | 355 | min | Values (MPa) | | ACTM | EN 10279 | EN 10024 | EN 10034 | EN10056-2 | | Performance | | | | |
| | and the available nitrogen | CU:U,55 S:0,030 P:0.030 | X | ; (%) | 7 | 7 | 0 | × | : (%) | 20°C | | 5 (J) | | | | | | | 600 | 630 | | | | | | | | | (MPa) | | 20 | 279 | 024 | 034 | 56-2 | | lance | | | | |
| | | | | 1 | 1 | | | - | 1 | | 1 | | | | | | | EN 10025-1-2004 | | 1 | | 1 | 1 | | I | 1 | L | | | | | | | | | specification | Harmonised technical | | | | |

| | And The And | Vaid Down | F | | Jean-François Liesch Site Manager Differdange Quality Manager | and on behalt of the manufacturer by: | responsibility of the manufacturer identified in point 3. Signed for | This declaration of performance is issued under the sole | | The performance of the product identified in points 1 and 2 is in | | | footor broduction control and issued the certificate of conformity of the | continuous surveillance, assessment, and evaluation of factory | manufacturing plant and of factory production control and the | Stahl, Holz und Steine performed the initial inspection of the | Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für | Notified factory production control certification body No. 0769 | System 2+ | performance of the product: | System of assessment and verification of constancy of | www.alcelollillital.colli/sections | Iel: +352 5820 2870 | L-4503 Differdange (G.D. of Luxembourg) | | Site of Differdange | ArcelorMittal Belval and Differdange S.A | | To be used in welded, bolted and riveted structures | foreseen by the manufacturer: | with the applicable harmonised technical specification, as | Intended use or uses of the construction product, in accordance | | | 1) Code of the product type: 1.0590 | No. AMDI-2/11-CPR-13-1 | | Connecting to resultation of Performance | | | ArcelorMittal |) |
|-------------------|---|---|---|--|--|---------------------------------------|--|--|------|---|-----|------------------------|---|--|---|--|---|---|-----------------|-----------------------------|---|------------------------------------|---------------------|---|------------------------|---------------------|--|-----|---|-------------------------------|--|---|------------------------|-----------------|--|------------------------|------------------|--|----------------------|---------------|--------------------------|---|
| (ותי באפווי | Fully kille | 1 ne steel 0.05% | content o | * The second | | | Ţ | 4 | 30 | | v | Weldability Not | | v | Impact strength No | 10 | 63 | 40 | =3 | V | Elongation No | 100 | υ. Ε | | Tensile strength Nor | 100 | 80 | 63 | 40 | 16 | | v | Yield strength Noi | | HD36 | | | | dimensions and shape | 1 | Essential characteristic | |
| pre man ovocao M) | d steel containing nitrogen binding eler | may show a Nb content of max. 0,05% | value for nitrogen opes not apply it to f 0,020% or if sufficient other N binding | and the strength of the second s | Ī | 140 | Nominal thickness (mm) | 140 | 40 | 30 | I N | Nominal thickness (mm) | 140 | . w | Nominal thickness (mm) | 140 | 100 | 63 | 40 | | Nominal thickness (mm) | 140 | 100 | | Nominal thickness (mm) | 140 | 100 | 80 | 63 | 40 | 16 | IA | Nominal thickness (mm) | with GHE > GHEM | HL920, HL1000 with G _{HL} >G _{HLM} , HD360/400, UB1016, HE1000 | UPE, UPN | Tapered Flange I | I and H sections | Angles | | acteristic | |
| | Fully killed steel containing nitrogen binding element in amounts sufficient to bind the available nitrogen | %, a V content of max. 0,13% and a Ti content of max. | content of 0,020% or if sufficient other N binding elements are present | 면 : 0,035 | Si : 0,55 Si : 0,55 Mn : 1,70 N* : 0,025 | ma | Values (%) | 0,49 | 0,49 | 0,47 | max | Values (%) | 27 at 0°C | min | Values (J) | | 12 | 47 | | min | Values (%) | | 550 720 | 1 | Values (MPa) | 380 | 380 | 390 | 410 | 430 | 450 | min | Values (MPa) | | ASTM A6 | EN 10279 | EN 10024 | EN 10034 | EN10056-2 | | Performance | |
| | | | | | | 1 | 1 | | | | | | | | | | | | EN 10025-1:2004 | | | | 1 | 1 | | | | | | | | | | | | | | | | specification | Harmonised | |

| Date : 01.07.2013 | | Jandy Mount | ť | | Jean-François Liesch Christophe Houyoux Site Mananer Differdance Ouality Mananer | | and on behalf of the manufacturer by: | responsibility of the manufacturer identified in point 3. Signed for | This declaration of nerformance is issued under the sole | conformity with the declared performance in the table. | The performance of the product identified in points 1 and 2 is in | | factory production control. | production control and issued the certificate of conformity of the | continuous surveillance, assessment, and evaluation of factory | manufacturing plant and of factory production control and the | Stahl, Holz und Steine performed the initial inspection of the | Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für | Notified factory production control certification body No. 0769 | System 2+ | performance of the product: | System of assessment and verification of constancy of | www.arcelormittal.com/sections | Tel: +352 5820 2870 | L-4503 Differdange (G.D. of Luxembourg) | Rue Emile Mark | o) Alcelor initial beinar and billeloanige o.A | | To be used in welded, bolted and riveted structures | foreseen by the manufacturer: | with the applicable harmonised technical specification, as | Intended use or uses of the construction product, in accordance | 2) Type: sections/bars sz/sm according EN Tuuzs-4 | | 1) Code of the product type: 1.3818 | No. AMDI-4/01-CPR-13-1 | (according to regulation EU No 305/2011) | Declaration of Performance | | | ArcelorMittal | >> |
|-------------------|---|-----------------------|------------------------|----------|---|------------------------|---------------------------------------|--|--|--|---|-----|-----------------------------|--|--|---|--|---|---|-----------|-----------------------------|---|--------------------------------|---------------------|---|----------------|--|------|---|-------------------------------|--|---|---|-------------------------|--|------------------------|--|----------------------------|---------------|---------------|--------------------------|----|
| | | | | | | (Chemical composition) | Durability | | | | | | Weldability | | | Impact strength | | | Elongation | | | | | | Tensile strength | | | | | | | | Yield strength | | | | | | Tolerances on | | Esser | |
| not apply | * If sufficie | | | | | V | Г | 63 | 40 | 16 | | v | Non | | v | Non | | v | Non | 100 | 80 | හ ස | 40 | V | Non | 100 | 88 | 5 63 | - 40 | 16 | | v | Non | - 000 | HL920 | | | | , | | Essential characteristic | |
| | * If sufficient other nitrogen binding elements | | | | 140 | IN | Nominal thickness (mm) | 140 | 63 | 40 | 16 | N | Nominal thickness (mm) | 140 | v | Nominal thickness (mm) | 140 | м | Nominal thickness (mm) | 140 | 100 | 80 | 63 40 | AD 12 | Nominal thickness (mm) | | 100 | 80 | 63 | 40 | 16 | × | Nominal thickness (mm) | with $G_{HE} > G_{HEM}$ | HL920, HL1000 with G _{HL} >G _{HLM} , | UPE, UPN | Tapered Flange I | I and H sections | Angles | | cteristic | |
| | AI*: 0,02 are present, the | | | | | min | | | | | | | | | | | | | | 350 | 350 | 350 | 360 | 270 | | | | | | | | | | | | | | | | | | |
| | minimum alum | Nb : 0,05 V : 0,08 | P : 0,035 S : 0,030 | Si : 0,8 | C : 0,15 Mn : 1,50 | | Values (%) | 0,38 | 0,35 | 0,34 | 0,34 | max | Values (%) | 40 at -20°C | min | Values (J) | 24 | nin | Values (%) | <u>0</u> | ŏ | | ő | 270 | Values (MPa) | 240 | 245 | 245 | 255 | 265 | 275 | min | Values (MPa) | | ASTM AS | EN 10279 | EN 10024 | EN 10034 | EN10056-2 | | Performance | |
| | AI* : 0,02 dimensional distance of the destination | |)30 Cu : 0,55 | | ,50 Cr : 0,30 | B | s (%) | õ | 5 | 4 | 14 | IX | s (%) | 20°C | | s (J) | | 2 | s (%) | 510 | 510 | 510 | 520 | max | 1 | | G | | T | 5 | G | | (MPa) | | 1 D D | 1279 | 0024 | 0034 | 156-2 | | nance | |
| | _ | | | | | | • | | | | | | · | | | | | | EN 10025-1:2004 | 1 | | | - | | | | | | | . | | | | | | | | | | specification | Harmonised | |

| Date : 01.07.2013 | | | Minter- (10 montes | A III | | Je | Jean-Francois Liesch Christophe Houvoux | | and on behalf of the manufacturer by: | responsibility of the manufacturer identified in point 3. Signed for | This declaration of performance is issued under the sole | | n so to be the source of the s | | | factory production control | nonduction control and issued the certificate of conformity of the | inational for activity provided and evaluation of factory | manufacturing plant and of factors production control and the | Stable Hold and Stains performed the initial increation of the | Karlsri her Institut für Technolonie (KIT) - Mersuchsanstalt für | Notified factory production control certification body No. 0769 | System 2+ | performance of the product: | System of assessment and verification of constancy of | www.alcelormittal.com/sections | | ב-4סטט טווופוטמוועפ (ש.ש. סו בעצפוווטסעוען) דבוי בפגס גפסח ספסח | | Dive Emile Mark | 3) Arceloriviitial belval and Differdange S.A | | To be used in welded, bolted and riveted structures | foreseen by the manufacturer: | with the applicable harmonised technical specification, as | Intended use or uses of the construction product, in accordance | z) Type, sections/bars according EN Tuuza-4 | | | No. AMDI-4/03-CPR-13-1 | (מרכטוסאוש נט ופטטומוטון בט ואט שטארט דו) | Declaration of Performance | | ArcelorMittal |) | 7 |
|--|------------|--------|--------------------|-------|--|-----|---|------------------------|---------------------------------------|--|--|------|--|-------------------------|-------------|----------------------------|--|---|---|--|--|---|-----------|-----------------------------|---|--------------------------------|---------|--|-----|-----------------|---|-----|---|-------------------------------|--|---|---|---------------------------|----------|------------------------|---|----------------------------|----------------|--------------------------|---|---|
| | | | | | | | (Chemical composition) | Durability | | | | | | vectuability | Woldshility | | | Impact strength | | | Elongation | | | | | | | Tensile strength | | | | | | | | Yield strength | | | | | | dimensions and shape | Tolerances on | Essen | | |
| * If sufficie not apply | | | | | | | v | Non | 63 | 40 | Ъ | 5 | V | NO | Non | Ņ | / | N | - | v | Non | 100 | 8 | 63 | 40 | | v | Non | 100 | 80 | 63 | 40 | 16 | | v | Non | | HD360 | | Ι | T | | | Essential characteristic | | |
| ent other nitrogen binding elements | | | | | | 140 | IV | Nominal thickness (mm) | 140 | 63 | 40 | ō | 5 0 | Notitudi utickness (mm) | | 110 | | | 140 | | Nominal thickness (mm) | 140 | 100 | 80 | 63 | 40 | | Nominal thickness (mm) | 140 | 100 | 80 | 63 | 40 | 16 | ١٨ | Nominal thickness (mm) | with G _{HE} > G _{HEM} | HD360/400, UB1016, HE1000 | | | Tand H sections | saifin | A 50 | cteristic | | |
| are present, th | AI* : 0,02 | | | | | | min | | | | | | | | | | | | | | | 4 | 4 | 4 | 4 | 4 | 7 | | | | | | | | | | | | | | | | | | | |
| * If sufficient other nitrogen binding elements are present, the minimum aluminium requirement does not apply | 2 | V:0,10 | Np:0.05 N:0.015 | | | | max | Values (%) | 0,45 | 0,40 | 0,39 | 0,39 | max | Values (70) | 40 at -20 C | | (r) canipa | Values (II | 22 | min | Values (%) | | | | | | min max | Values (MPa) | 320 | 325 | 325 | 335 | 345 | 355 | min | Values (MPa) | | ASTM A6 | EN TUZ79 | | | | | Performance | | |
| | | | | | | | | | | | | | | | 1 | | 1 | | 1 | | EN 10025-1:2004 | | | | | | | | | | | | | | | | | | 1 | 1 | | | Specification | Harmonised | | |

| Date : 01.07.2013 | | June Aloupus | | Je | Jean-François Liesch Christophe Houyoux | | and on behalf of the manufacturer by: | responsibility of the manufacturer identified in point 3. Signed for | This declaration of performance is issued under the sole | conformity with the declared performance in the table. | The performance of the product identified in points 1 and 2 is in | | factory production control. | production control and issued the certificate of conformity of the | continuous surveillance, assessment, and evaluation of factory | manufacturing plant and of factory production control and the | Stahl, Holz und Steine performed the initial inspection of the | Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für | Notified factory production control certification body No. 0769 | System 2+ | performance of the product: | System of assessment and verification of constancy of | www.arceiormittal.com/sections | | L-45U3 Differdange (G.D. of Luxembourg) | | Site of Ulterdange | 3) ArcelorMittal Belval and Differdange S.A | | To be used in welded, bolted and riveted structures | foreseen by the manufacturer: | with the applicable harmonised technical specification, as | Intended use or uses of the construction product, in accordance | 2) I ype: Sections/Bars S355ML according EN 10025-4 | | | No. AMDI-4/04-CPR-13-1 | (according to regulation EU No 305/2011) | Declaration of Performance | | ArcelorMittal |) |) |
|--|------------|---|----------|-------------------------------|---|------------------------|---------------------------------------|--|--|--|---|------------------------|-----------------------------|--|--|---|--|---|---|-----------|-----------------------------|---|--------------------------------|-----|---|-----|--------------------|---|-----|---|-------------------------------|--|---|---|---------------------------|----------|------------------------|--|----------------------------|---------------|--------------------------|---|---|
| | | | | | (Unemical composition) | Durability | | | | | | Weldability | | | Impact strength | | | Elongation | | | | | | | Tensile strength | | | | | | | | Yield strength | | | | | | I olerances on | 1 | Essen | | |
| * If sufficie not apply | | | | | v | Nor | 63 | 40 | 16 | | v | Nor | | v | Nor | | v | Nor | 100 | 80 | 63 | 40 | | v | Nor | 100 | 80 | 63 | 40 | 16 | | v | Nor | | HD36 | | | Ī | | | Essential characteristic | | |
| If sufficient other nitrogen binding elements are present, the minimum aluminium requirement does not apply | | | | 140 | IV | Nominal thickness (mm) | 140 | 63 | 40 | 16 | v | Nominal thickness (mm) | 140 | | Nominal thickness (mm) | 140 | N | Nominal thickness (mm) | 125 | 100 | 80 | 63 | 40 | | Nominal thickness (mm) | 125 | 100 | 80 | 63 | 40 | 16 | IV | Nominal thickness (mm) | with G _{HE} > G _{HEM} | HD360/400, UB1016, HE1000 | UPE, UPN | l apered Flange I | I and H sections | Angles | | cteristic | | |
| are present, th | AI* : 0,02 | | | | min | | | | | | | | | | | | | | 4 | 4 | 4 | 4 | 4 | | | | | | | | | | | | | | | | | | | | |
| e minimum alur | 2 | P : 0,030 S : 0,025 Nb : 0,05 V : 0,10 | Si: 0,50 | C : 0,16 Mn : 1,60 | | Value | 0, | 0. | 0, | 0 | m | Value | 27 at | п | Valu | 2 | п | Value | 430 | 440 | 440 | 450 | 470 | min | Values | ω | ų | 3 | ω | ų | ų | | Values | | AST | EN 1 | EN | EN | EN10 | | Perfor | | |
| ninium requirement does | | | | 16 11 : 0,05 1,60 Cr: 0,30 | ma | Values (%) | 0,45 | 0,40 | 0,39 | 0,39 | max | Values (%) | 27 at -50℃ | min | Values (J) | 22 | min | Values (%) | 590 | 600 | 600 | 610 | 630 | max | Values (MPa) | 320 | 325 | 325 | 335 | 345 | 355 | min | Values (MPa) | | ASTM A6 | EN 10279 | EN 10024 | EN 10034 | EN10056-2 | | Performance | | |
| | | | | | | 1 | | 1 | | 1 | | | | | | | | EN 10025-1:2004 | | | | | | | | | | | | | | | | | | | 1 | | 1 | specification | Harmonised technical | | |

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| Date : 01.07.2013 | | THE THE | Hundry House | 5 | | Je | Jean-François Liesch Christophe Houyoux | | and on penal of the manufacture by. | and on babalf of the manufacturer by: | responsibility of the manufacturer identified in point 3. Signed for | This declaration of performance is issued under the sole | | conformity with the declared performance in the table | The performance of the product identified in points 1 and 2 is in | | lactory production control. | autor of the sector and the sector of the se | continuous surveniance, assessment, and evaluation of the | alli primi provinci di anti anti anti anti anti anti anti ant | manifacturing plant and of factory production control and the | Stahl Holz and Steine performed the initial inspection of the | Karlenihar Institut für Tachnologia (KIT) – Marsucheanstalt für | Notified factory production control certification body No. 0769 | System 2+ | performance of the product: | System of assessment and verification of constancy of | | www.arcelormittal.com/sections | | I 4503 Differdance (G D of Luxembourn) | Rue Emile Mark | | ArcelorMittal Belval and Differdange S.A | To be used in Welded, boiled and inveted structures | To be used in welded botted and invoted structures | foreseen by the manufacturer: | with the applicable harmonised technical specification as | Intended use or uses of the construction product. in accordance | 2) Type: Sections/bars S400M according EN 10025-4 | | 1) Code of the product type: 1.8827 | No. AMDI-4/07-CPR-13-1 | | (according to regulation CL) No 205/20141) | | Arcelor/Wittal | | |
|--|------------|----------|---------------------|---------------------|--|----|---|---|-------------------------------------|---------------------------------------|--|--|------|---|---|-----|------------------------------------|--|---|---|---|---|---|---|-----------|-----------------------------|---|---------|--------------------------------|---------|---|----------------|-----|--|---|--|-------------------------------|---|---|---|---|-------------------------------------|------------------------|----------|--|-----------|--|--|--|
| not apply | | | | | | | 140 | , | composition) | Durability Nominal thickness (mm) | 63 140 | 40 63 | | | 16 | v | Weldability Nominal thickness (mm) | | | | Nominal thickness | | ~ | Elongation Nominal thickness (mm) | | 80 100 | 63 80 | 40 63 | 40 | ~ | Tensile strength Nominal thickness (mm) | 140 | | | | 40 63 | 16 40 | 16 | v | Yield strength Nominal thickness (mm) | with G _{HE} > G _{HEM} | HD360/400. UB1016. HE1000 | | | | hd shane | Essential characteristic | | |
| ni sunicient ouver nitrogen binding elements are present, the minimum aluminium requirement does not apply | AI* : 0,02 | V : 0,12 | Nb : 0,05 N : 0,025 | S : 0,030 Cu : 0,55 | | _ | | | min | Va | 0,48 | 0,47 | U,40 | 0.40 | 0 45 | max | | 40 at -20°C | min | - | | 17 | | Values (%) | 490 660 | 500 680 | 510 690 | 530 710 | 540 720 | min max | Values (MPa) | | 400 | 410 | 410 | 430 | 440 | 460 | | Values (MPa) | | DO ASTM A6 | EN 10279 | EN 10024 | EN 10034 | EN10056-2 | Performance | | |
| | | | | | | | | | | | | | | | | | | | | | | | | EN 10025-1:2004 | | | | | | | | | | | | | | | | | | | | | | | Harmonised technical specification | | |

| A I I | Manda House | f | c | and on venall of the manuacturer by. | responsibility of the manufacturer identified in point 3. Signed for | | This declaration of notformance is include under the colo | conformity with the declared performance in the table. | The performance of the product identified in points 1 and 2 is in | | | factory broduction control | nonfliction control and issued the certificate of conformity of the | individually provide according to a contraction of factors | Startin, mole und Steine periornied the initial inspection of the | Stabl Holz and Stains porformed the initial impossion of the | Notified factory production control certification body No. 0/69 | | System 2+ | berformance of the product | System of assessment and verification of constancy of | www.arcelormittal.com/sections | Tel: +352 5820 2870 | L-4503 Differdange (G.D. of Luxembourg) | Rue Emile Mark | | 3) ArcelorMittal Belval and Differdance S A | To be used in welded, bolted and riveted structures | toreseen by the manufacturer: | with the applicable harmonised technical specification, as | Intended use or uses of the construction product, in accordance | | 2) Type: Sections/Bars S460ML according EN 10025-4 | 1) Code of the product type: 1.8838 | | No. AMDI-4/08-CPR-13-1 | (according to regulation EU No 305/2011) | Declaration of Performance | | | | ArcelorMittal | |
|---|-------------|---------------------------------|---|--------------------------------------|--|-------------|---|--|---|-------|------|----------------------------|---|--|---|--|---|--------|------------------------|----------------------------|---|--------------------------------|---------------------|---|----------------|------------------------|---|---|-------------------------------|--|---|-----|--|-------------------------------------|---|---------------------------|--|----------------------------|------------------|----------------------|---------------|----------------------------|------------|
| | | | | | (Chemical composition) | | Durahility | | | | | | Weldability | | | Impact strength | | | Elongation | | | | | | | Tensile strength | | | | | | | | Yield strength | | | | | | dimensions and shape | Tolerances on | Essent | |
| If sufficient other nitrogen binding elements are present, the minimum aluminium requirement does not apply | | | | 140 | V | | | | | 16 40 | 16 | v N | Nominal thickness (mm) | 140 | v | Nominal thickness (mm) | 140 | v M | Nominal thickness (mm) | 100 125 | 80 100 | 63 80 | | 40 | × | Nominal thickness (mm) | 100 125 | | | | 16 40 | 16 | v | Nominal thickness (mm) | with G _{HE} > G _{HEM} | HD360/400, UB1016, HE1000 | | IJPE IJPN | Tanered Elange I | l and | Angles | Essential characteristic | |
| are present, the minimum aluminium requirement | AI* : 0,02 | Nb : 0,05 N : 0,025 V : 0,12 | | C:0,18 Ti:0,05 | Таў | Values (70) | U,48 | 0,77 | 0.47 | 0.46 | 0,45 | max | Values (%) | 27 at -50°C | min | Values (J) | 17 | min | Values (%) | 490 660 | 500 680 | 510 690 | 530 710 | | min max | Values (MPa) | 385 | 400 | 410 | 430 | 440 | 460 | min | Values (MPa) | | ASTM A6 | | EN 10224 | EN 10024 | EN 10034 | EN10056-2 | Performance | |
| | | 01 | | | | | | | | | | | | | | 1 | 1 | 1 | EN 10025-1:2004 | | | | | | | | | | | | | | | | | | | | 1 | | - | technical specification | Harmonised |

| A Contraction of the contraction | Wind Rouses | | je | Jean-François Liesch Christophe Houyoux | | and on behalf of the manufacturer by: | responsibility of the manufacturer identified in point 3. Signed for | This declaration of performance is issued under the sole | conformity with the declared performance in the table. | The performance of the product identified in points 1 and 2 is in | | | production control and issued the certificate of conformity of the | continuous surveillance, assessment, and evaluation of factory | manufacturing plant and of factory production control and the | Stahl, Holz und Steine performed the initial inspection of the | Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für | Notified factory production control certification body No. 0769 | Cýstani z . | System 2+ | System of assessment and venification of constancy of | Chattan of apparent and configuration of apparents of | www.arcelormittal.com/sections | Tel: +352 5820 2870 | L-4503 Differdance (G.D. of Luxembourg) | Rue Emile Mark | | 3) ArcelorMittal Relval and Differdance S A | To be used in welded, bolted and inveted structures | | with the applicable naminonised technical specification, as | Intended use or uses of the construction product, in accordance | | 2) Type: Sections HISTAR 355 according ETA-10/0156 | 1) Code of the product type: HISTAR 355 | | | (according to regulation EU No 305/2011) | Declaration of Performance | | | ArcelorMittal | | 7 |
|--|---|---|------------|---|-----|---------------------------------------|--|--|--|---|------------------------|---------|--|--|---|--|---|---|-------------|-----------------|---|---|--------------------------------|---------------------|---|------------------------|-------|---|---|-----|---|---|----------------|--|---|---------------------------------|----------|--|----------------------------|---------------|---------------|--------------------------|--|---|
| | | | | | | | | | | (Chemical composition) | Durability | | | | | | Weldability | | | Impact strength | | | Elongation | | | lensile strength | | | | | | | Yield strength | VI-11-AAL | | | | | unnensions and snape | Tolerances on | | Essenti | | |
| | Available upon agreement. Not included in Impact strength: Mean value of 3 tests for full the guaranteed average value. The provisions | If sufficient other nitrogen binding elements does not apply | | | | | | | 140 | | Nominal thickness (mm) | 125 140 | 82 125 | | | V I. I.A | Nominal thickness (mm) | 140 | V ; IA | Nominal thickn | 140 | v N | Nominal thickness (mm) | 140 | V IA | Nominal thickness (mm) | | | 20 04 04 | | | v v | Nominal thickn | | HD360/400, UB1016, HE1000 | HI 920. HI 1000 with Gui >Gui M | UPE, UPN | Tapered Flange I | I and H sections | Angles | | Essential characteristic | | |
| | Available upon agreement. Not included in ETA-10/0156 Impact strength: Mean value of 3 tests for full size specimens with no single value less than 70% of the cuaranteed average value. The novicious accordin to EM 10075.1: 2004 are andicable the cuaranteed service value of the service according to the 10075.1: 2004 are andicable | * If sufficient other nitrogen binding elements are present, the minimum aluminium requirement does not apply | AI* - 0.02 | | | | | Š | C: 0,12 | min max | Values (%) | 0,39** | 0,39 | 0,39 | 0,39 | max | Values (%) | 40 at -20°C | min | Values (J) | 22 | min | Values (%) | 470 630 | min max | Values (MPa) | 355** | | | 355 | | min | Values (MPa) | | ASTM A6 | | EN 10279 | EN 10024 | EN 10034 | EN10056-2 | | Performance | | |
| | <u>o</u> f | | | Ū | 1 Ŭ | | 02 | 0 | | | | | | | I | | | | | EN 10025-1:2004 | | | | | | | | | | | | 1 | | | | | | | | | specification | Harmonised | | |

| Data : 01 07 0012 | House Alounes | Jean-François Liesch Christophe Houyoux Site Manager Differdange Quality Manager | This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by: | production control and issued the certificate of contormity of the factory production control. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table. | Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory | System of assessment and verification of constancy of performance of the product: System 2+ | 3) ArcelorMittal Belval and Differdange S.A Site of Differdange Rue Emile Mark L-4503 Differdange (G.D. of Luxembourg) Tel: +352 5820 2870 www.arcelormittal.com/sections | Code of the product type: HISTAR 355L Type: Sections HISTAR 355L according ETA-10/0156 Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer: To be used in welded, bolted and riveted structures | Declaration of Performance (according to regulation EU No 305/2011) No AMDL4/10-CPR-13-1 | ArcelorMittal |
|-------------------|---------------|--|---|--|---|--|---|--|--|--|
| | | • If sufficient of does not apply | | (Chemical composition) > | × | ngth | or Tensile strength Nomining Elongation Nomining | HL920, HI Wi Vield strength Vomin 16 40 | Tolerances on la dimensions and shape la Ta | Essential characteristic |
| | | If sufficient other nitrogen binding elements are present, the does not apply "Available upon agreement. Not included in ETA-10/0156 Impact sterngth. Mean value of 3 tests for full size specimens the guaranteed average value. The provisions according to ET | A | Nominal thickness (mm) s min 140 min | Nominal thickness (mm) ≤ 63 82 2 125 125 | Nominal thickness (mm) ≤ 140 | Nominal thickness (mm) min - 140 470 Nominal thickness (mm) 470 - 140 470 - - 470 - - 470 | HL920, HL1000 with $G_{HL} > G_{HLM}$, HD360/400, UB1016, HE1000 with $G_{HE} > G_{HEM}$ Nominal thickness (mm) > | Angles I and H sections Tapered Flange I UPE, UPN | istic |
| | | fing elements are present, the minimum aluminium requirement dot included in ETA-10/0156 13 tests for full size specimens with no single value less than 70% of The provisions according to EN 10025-1; 2004 are applicable. | SI: 0,00 P: 0,030 S: 0,025 Nb: 0,05 V: 0,10 V: 0,10 | | Values (%) max 0,39 0,39 0,39** | oc S | Values (MPa) in max 0 630 Values (%) min 22 22 | ASTM A6 Values (MPa) min 355 | EN 10056-2 EN 10034 EN 10024 EN 10279 | Performance |
| | | | | | | EN 10025-1:2004 | | | | Harmonised technical specification |

| The second secon | Nink House | | Je | Jean-François Liesch Christophe Houyoux | and on behalf of the manufacturer by: | responsibility of the manufacturer identified in point 3. Signed for | This declaration of performance is issued under the sole | conformity with the declared performance in the table. | The performance of the product identified in points 1 and 2 is in | | ractory production control. | production control and issued the centificate of conformity of the | continuous surveillance, assessment, and evaluation of factory | manufacturing plant and of factory production control and the | Stani, Holz und Steine performed the initial inspection of the | Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für | Notified factory production control certification body No. 0/69 | | System 2+ | performance of the product: | System of assessment and verification of constancy of | www.arcelormittal.com/sections | | L-4503 Differdange (G.D. of Luxembourg) | Rue Emile Mark | Site of Differdange | 3) ArcelorMittal Belval and Differdange S.A | | To be used in welded, bolted and riveted structures | foreseen by the manufacturer: | with the applicable harmonised technical specification, as | Intended use or uses of the construction product. in accordance | 2) Type: Sections his LAR 460 according ETA-10/0156 | | Code | No. AMDI-4/11-CPR-13-1 | (according to regulation EU No 305/2011) | Declaration of Performance | | | ArcelorMittal | <i>b</i> |
|--|--|--|------------|---|---------------------------------------|--|--|--|---|------------------------|-----------------------------|--|--|---|--|---|---|------------|-------------------|-----------------------------|---|--------------------------------|------------------------|---|----------------|---------------------|---|-----|---|-------------------------------|--|---|---|-----------------|------------------------------|------------------------|--|----------------------------|----------------------|---------------|--------------------------|----------|
| | | | | | | | | | (Chemical composition) | Durability | | | | | | weidability | | | Impact strength | Impact strength | | C | Elongation | | l | Tensile strength | | | | | | | Yield strength | | | | | | dimensions and shape | | Essent | |
| | ** Available upon agreement. Not included in E impact strength: Mean value of 3 tests for full the guaranteed average value. The provisions | If sufficient other nitrogen binding elements a does not apply | | | | | | 140 | | Nominal thickness (mm) | 125 140 | | | | v 3 v | Nominal Inickn | | 140 | | | | | Nominal thickness (mm) | | | ominal thick | | | 40 82 | 16 40 | 16 | | Nominal thickness (mm) | with GHE > GHEM | HL920, HL1000 with GHL>GHLM, | UPE, UPN | Tapered Flange I | | | | Essential characteristic | |
| | bt included in ETA-10/0156 3 tests for full size specimens with no single value less than 70% of The provisions according to EN 10025-1: 2004 are applicable | If sufficient other nitrogen binding elements are present, the minimum aluminium requirement does not apply | Al* : 0,02 | V:0.12 | | | 0 | C : 0,12 | min max | Values (%) | 0,43** | 0,43 | 0,43 | 0,41 | max | Values (%) | 40 at -20 C | 40 at _200 | (r) santra | Value / IV | 17 | min | Values (%) | | min max | Values (MPa) | 450** | 450 | | 460 | | min | Values (MPa) | | ASTM AS | EN 10279 | EN 10024 | EN 10034 | EN10056-2 | | Performance | |
| | | | | | | | | | | | | | 1 | 1 | 1 | 1 | | 1 | - EN 10025-1:2004 | | | | | 1 | | | | | | | | | | | | | 1 | | 1 | specification | Harmonised technical | |

| Date : 01 07 2013 | Andrew CHOM | A | one manager principality comity manager | 0 | | responsibility of the manufacturer lognities in point 3. Signed for | This declaration of performance is issued under the sole | Ine performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table | | raciory production control. | production control and issued the certificate of conformity of the | continuous surveillance, assessment, and evaluation of factory | manufacturing plant and of factory production control and the | Stahl, Holz und Steine performed the initial inspection of the | Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für | Notified factory production control certification body No. 0769 | System 2+ | performance of the product: | System of assessment and verification of constancy of | | I el: +352 5820 2870 | L-4503 Differdange (G.D. of Luxembourg) | Rue Emile Mark | Site of Differdange | ArcelorMittal Belval and Differdange S.A | | To be used in welded holted and riveted structures | foreseen by the manufacturer: | with the applicable harmonised technical specification. as | | 2) Type: Sections HISTAR 460L according ETA-10/0156 | 1) Code of the product type: HISTAR 460L | No. AMDI-4/12-CPR-13-1 | (according to regulation EC No 3U3/ZUTT) | | | | ArcelorMittal | } | 7 |
|-------------------|-------------|---|--|------------|---------------------------------|---|--|--|------------------------|-----------------------------|--|--|---|--|---|---|-------------|-----------------------------|---|-----|----------------------|---|----------------|---------------------|--|-------|--|-------------------------------|--|------------------------|---|---|------------------------|--|----------|----------------|---------------|--------------------------|---|---|
| | | | | | | | | | (Chemical composition) | Durability | | | | | | Weldability | | | Impact strength | | | Elongation | | | Tensile strength | | | | | Y leid strength | Vr II - A AL | | | | | I olerances on | I . | Essent | | |
| | | Impact strength: Mean value of 3 tests for full the guaranteed average value. The provisions | If sufficient other nitrogen binding elements are present, the does not apply Available upph arreement. Not included in ETA-10/0156 | | | | | 140 | v Iv | Nominal thickness (mm) | 125 140 | | 63 82 | | ~ ~ | Nominal thickness (mm) | 140 | | Nominal thickness (mm) | 140 | | Nominal thickness (mm) | | | Jominal thick | * | | 16 40 | 16 | Nominal thickness (mm) | | HL920, HL1000 with G _{HL} >G _{HLM} , HD360/400, UB1016, HE1000 | UPE, UPN | Tapered Flange I | | | | Essential characteristic | | |
| | | or mediated in Error how to be 3 tests for full size specimens with no single value less than 70% of The provisions according to EN 10025-1: 2004 are applicable. | If sufficient order introgen binding elements are present, the minimum aluminium requirement does not apply does not apply and an element of the induction of the present, the minimum aluminium requirement "Available upon arreement Not included in ETA-10/0156 | AI* : 0.02 | Nb : 0,05 N : 0,025 V : 0,12 | | P:0,030 Ni:0,70 | | min max | Values (%) | 0,43** | 0,43 | 0,43 | 0,41 | max | Values (%) | 27 at -50°C | min | Values (J) | 17 | nim | Values (%) | | | Values (MPa) | 450** | i | 460 | | Values (MPa) | | ASTM A6 | EN 10279 | EN 10024 | EN 10034 | EN10056-2 | | Performance | | |
| | | <u>of</u> | | | <i>с</i> л | л | - c | | 1 | I | | | | | | | | EN 10025-1:2004 | | | | | | | | | | | | | | | | I | 1 | | specification | Harmonised | | |

| Date : 01.07.2013 | And Chone | уе | Jean-François Liesch Christophe Houyoux | and on behalf of the manufacturer by: | This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for | conformity with the declared performance in the table. | The performance of the product identified in points 1 and 2 is in | | factory production control. | production control and issued the certificate of conformity of the | manufacturing plant and or factory production control and the | Stahl, Holz und Steine performed the initial inspection of the | Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für | Notified factory production control certification body No. 0769 | | System 2+ | System of assessment and verification of constancy of | | www.arcelormittal.com/sections | Tel: +352 5820 2870 | 1-4503 Differdance (C.D. of Luxembourg) | Bue Emile Mark | 3) Alceionninge S.A | | To be used in welded, bolted and riveted structures | with the applicable narmonised technical specification, as foreseen by the manufacturer | Intended use or uses of the construction product, in accordance | | 2) Type: Sections/Bars S355J0W according EN 10025-5 | 1) Code of the product type: 1.8959 | NO. ANIDI-5/01-CFR-13-1 | | Declaration of Performance | ArcelorMittal | | 0 |) |
|-------------------|---|--|---|---------------------------------------|--|--|---|------------------------|-----------------------------|--|---|--|---|---|----|-----------|---|----|--------------------------------|------------------------|---|----------------|---------------------|------------------------|---|---|---|------------------|---|-------------------------------------|-------------------------|--------------------------|----------------------------|---------------|--|---|---|
| | The steels r 0,15% Zr. | Pinax conte more than 0 minimum to The N bindi | | | | | composition) | Durability Nom | 16 | v | Weldability | | v | Impact strength Nom | И | | Elongation Nom | =3 | v | Tensile strength Nom | 16 | | V | Yield strength Nom | | HL920, | | | dimensions and shape | Tolerances on | | Essential characteristic | | | | | |
| | nay show a Ni content of max. 0,65% | ssible to exceed the specified values nt will be reduced by 0,005%; the N c ,012%. The max, value for nitrogen d tal AI content of 0,020% or if sufficient g elements shall be mentioned in the | | | | 40 | | Nominal thickness (mm) | 40 6 | 2 N | Nominal thickness (mm) | 40 | IN | Nominal thickness (mm) | 40 | IA | Nominal thickness (mm) | 40 | | Nominal thickness (mm) | 40 | 16 | | Nominal thickness (mm) | with G _{HE} > G _{HEM} | | UPE, UPN | Tapered Flange I | I and H sections | Angles | | teristic | | | | | |
| | The steels may show a Ni content of max. 0,65%. The steels may contain max. 0,30% Mo and max. 0,15% Zr. | It is permissible to exceed the specified values provided that for each increase of 0,001 % N, the Pmax content will be reduced by 0,005%; the N content of the ladle analysis, however, shall not be more than 0,012%. The max, value for nitrogen does not apply if the chemical composition shows a minimum total AI content of 0,020% or if sufficient other N binding elements are present. The N binding elements shall be mentioned in the inspection document. | Cr: 0,40 Cr: 0,80 | | SI : 0,50 N* : 0,009 P : 0,040 | C: 0, 16 | min max | Values (%) | 2 | רפוא | Values (%) | 27 at 0°C | min | Values (J) | 22 | min | Values (%) | | min max | Values (MPa) | 345 | 355 | min | Values (MPa) | AS I M AO | | EN 10279 | EN 10024 | EN 10034 | EN10056-2 | | Performance | | | | | |
| | | | | | | | | | | | | LIN 10020-1.2004 | EN 10095-1-9004 | | | | | | | | | | | | | | | | | | specification | Harmonised | | | | | |

| Date : 01.07.2013 | | June Aloupur | je | Jean-Francois Liesch Christophe Houvouv | This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for | conformity with the declared performance in the table. | The performance of the product identified in points 1 and 2 is in | raciory production control. | production control and issued the certificate of conformity of the | continuous surveillance, assessment, and evaluation of factory | starit, not und sterine performed the initial inspection of the manufacturing plant and of factory production control and the | Stable Lold und Staine performed the initial inspection of the | Notified factory production control certification body No. 0769 | System 2+ | System of assessment and verification of constancy of | | www.arcelormittal.com/sections | L-4303 Dilletadige (3.D. of Laxembourg) | L-1502 Differdance (C D of Levenbourg) | Site of Uitferdange | 3) ArcelorMittal Belval and Differdange S.A | | To be used in welded, bolted and riveted structures | interrued use of uses of the construction product, in accordance | | 2) Type: Sections/Bars S355J2W according EN 10025-5 | 1) Code of the product type: 1.8965 | No. AMDI-5/02-CPR-13-1 | (according to regulation EU No 305/2011) | Declaration of Performance | ArcelorMittal | >> |
|--|---|--|---|---|---|--|---|-----------------------------|--|--|---|--|---|-----------|---|--------------|--------------------------------|---|--|---------------------|---|----------------------------------|--|--|--------|---|-------------------------------------|------------------------|--|----------------------------|---------------|----|
| Fully killed steel cont (for example min. 0,0 | The steels may show 0,15% Zr. | Addition of nitrogen t total ≥ 0,020%, Nb: 0 used in combination, | T it is permissible to Pmax content will be more than 0,012%. T minimum total Al con | | | | Т | 1 | | Ţ | 40 Weldability Nominal thickness | | Impact strength Nominal thickness | v | Elongation Nominal thickness | ت | V | Tensile strength Nominal thickness | 16 | | | Yield strength Nominal thickness | HL92/4, HL1000 with G HD360/400, UB1016, with Gн∈ > Gне | UPE | Tapere | differsions and snape I and H | | | Essential characteristic | | | |
| Fully killed steel containing nitrogen binding element in amounts sufficient to bind the available nitrogen (for example min. 0,02% AI) | The steels may show a Ni content of max. 0,65%. The steels may contain max. 0,30% Mo and max. 0,15% Zr. | Addition of nitrogen binding elements: the steels shall contain at least one of the following elements: total ± 0,020%, Nb: 0,015 - 0,060%, V: 0,02-0,12%, TI: 0,02 - 0,10%. If these elements are used in combination, at least one of them shall be present with the minimum content indicated | It is permissible to exceed the specified values provided that for each increase of 0.001 % N, the Pmax content will be reduced by 0.005%, the N content of the ladle analysis, however, shall not be more than 0.012%. The max, value for nitrogen does not apply if the chemical composition shows a minimum total AI content of 0.020% or if sufficient other N binding elements are present. | Cu : 0,25 Cr : 0,40 | Mp : 0.50 P : 0,035 | 40 min C: 0,16 | (mm) | | 16 NPD | V | 40 Z/ at -2010 | | (mm) Val | | ckness (mm) Values (%) | | min | (mm) Valu | | | | ckness (mm) Values (MPa) | нстиои with Gнг > Gнгм, /400, UB1016, HE1000 ASTM A6 with Gнг > Gнем | UPE, UPN EN 10279 | | I and H sections EN 10034 | Angles EN10056-2 | | Performance | - | | |
| bind the available nitrogen | x, 0,30% Mo and max. | the following elements: Al elements are content indicated. | ise of 0,001 % N, the however, shall not be I composition shows a re present. | Cr : 0,80 | - - | E | ; (%) | | 0 | | EN 10025-1:2004 | | s (J) | | t (%) | 630 | max | (MPa) | | | | 'MPa) | 1A6 | 279 | 024 | 034 | 56-2 | s | Harmonised | | | |

| Date : 01.07.2013 | | Mint. Downer | Site Manager Differdange Quality Manager | and on behalf of the manufacturer by: | This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for | The performance of the product locative in points 1 and 2 is in conformity with the declared performance in the table. | The portomorphy of the product identified is points 1 and 0 is in | factory production control. | production control and issued the certificate of conformity of the | continuous surveillance, assessment, and evaluation of factory | manufacturing plant and of factory production control and the | Stahl Holz and Steine nerformed the initial inspection of the | Karleri her Institut für Technologie (KIT) - Mersuchsanstalt für | Notified footop: production control contification body No. 0760 | System 2+ | performance of the product: | System of assessment and verification of constancy of | www.arcelormittal.com/sections | Tel: +352 5820 2870 | L-4503 Differdange (G.D. of Luxembourg) | Rue Emile Mark | | 3) ArcelorMittal Relval and Differdance S A | To be used in welded, bolted and riveted structures | with the applicable narmonised technical specification, as foreseen by the manufacturer: | Intended use or uses of the construction product, in accordance | | 2) Type: Sections/Bars S355K2W according EN 10025-5 | 1) Code of the product type: 1.8967 | (according to regulation EU No 305/2011) No. AMDI-5/03-CPR-13-1 | Declaration of Performance |) |
|--|--|---|--|--|---|--|---|-----------------------------|--|--|---|---|--|---|-----------|-----------------------------|---|--------------------------------|---------------------|---|----------------|-----|---|---|--|---|------------------|---|-------------------------------------|--|----------------------------|---|
| | | | | | | (Chemical composition) | Durability | | | | Weldability | | in protonon gen | Impact strength | | Liongation | Elongation | | Tenstie strengtn | | | | Yield strength | | | | | dimensions and snape | Tolerances on | Essen | | |
| Fully killed steel containing nitrogen binding e (for example min. 0,02% Al) | The steels may show a Ni content of max 0,6 0,15% Zr. | Addition of nitrogen binding elements: the ste total ≥ 0,020%, Nb: 0,015 - 0,060%, V: 0,02-0 used in combination, at least one of them sha | It is permissible to exceed the specified value Pmax content will be reduced by 0,005%; the more than 0,012%. The max, value for nitrogen minimum total AI content of 0,020% or if suffi- minimum total AI content of 0,020% or if suffi- minimum total AI content of 0,020%. | | 2 | 40 | Nominal thickn | | | | Nominal thickness (mm) | | | Iominal thick | | > < < | Inminal thickness | ₩ 40 | Nominai Inickn | | | v | Nominal thickness (mm) | with G _{HE} > G _{HEM} | HL920, HL1000 with G _{HL} >G _{HLM} , HD360/400. UB1016. HE1000 | UPE, UPN | Tapered Flange 1 | | Angles | Essential characteristic | | |
| Fully killed steel containing nitrogen binding element in amounts sufficient to bind the available nitrogen (tor example min. 0,02% At) | The steels may show a Ni content of max 0,65%. The steels may contain max. 0,30% Mo and max. 0,15% Zr. | Addition of nitrogen binding elements: the steels shall contain at least one of the following elements: Al total \geq 0,020%, Nb: 0,015 - 0,060%, V: 0,02-0,12%, Ti: 0,02 - 0,10%. If these elements are used in combination, at least one of them shall be present with the minimum content indicated. | "It is permissible to exceed the specified values provided that for each increase of 0,001 % N, the Pmax content will be reduced by 0,005%; the N content of the ladie analysis, however, shall not be more than 0,012%. The max, value for nitrogen does not apply if the chemical composition shows a minimum total AI content of 0,020% or if sufficient other N binding elements are present. | Mn : 0,50 Cu : 0,25 Cr : 0,40 Cr : 0,80 | Si:0,50 P:0,03 | з | Values (%) | | NPD | (n/) canto A | Values (%) | 40 at -200° | | Values (.1) | 22 | min | Voluon 10/1 | 470 630 | Values (MPa) | 345 | 355 | min | Values (MPa) | | ASTM A6 | EN 10279 | EN 10024 | EN 10034 | EN10056-2 | Performance | | |
| 3 | | | | | I | <u> </u> | | I | | | EN 10025-1:2004 | | | | | | 1 | | | | | | I | 1 | | | L | | | Harmonised technical specification | | |