

Declaration of Performance



YOUR **SUPPLY CHAIN** PARTNER



Declaration of Performance

Ref ASD 14 - 02 - 2911

| | |
|--|--|
| Process: | Shot blasted material to ISO 8501 Sa2.5 & Primer painted |
| Intended Use: | Structural metallic construction components intended for use in steel structures or composite steel and concrete structures where the components can be made from hot rolled, cold – formed or with other technologies – sections / profiles with various shapes, flat products (plates, sheets, strip), bars, castings, forgings made of steel material |
| Manufacturer: | ASD Ltd t/a Kloeckner Metals UK, Valley Farm Road, Stourton, Leeds LS10 1SD |
| System of assessment and verification of constancy performance: | System 2+ |
| Notified Body: | Steel Construction Certification Scheme |
| Notified Body Number: | 2273 |
| Steel Construction Certificate Scheme has performed:- Steel Construction Certificate Scheme has performed:- (i) An initial inspection of the manufacturing plant and factory product control and (ii) Continuous surveillance, assessment and evaluation of factory production control and issued a Factory Control Certificate 2273 – CPR – 0100. | |

| Essential Characteristics | Performance | Harmonised Technical Specification |
|---|---|------------------------------------|
| Tolerances of Dimensions and Shape | BS EN 1090-2 | BS EN 1090 –1:2009+A1:2011 |
| Weldability | BS EN 10025-2; S235, S275, S355 BS EN10210-1/BS EN10219-1: S235,S275, S355, S420,S460 | BS EN 1090 –1:2009+A1:2011 |
| Fracture toughness / impact resistance | BS EN10025 -2/BS EN10210-1/BS EN10219-1 JR(H) 27J @ 20°C JO (H) 27J @ 0°C J2(H) 27J @ -20°C K2(H) 40J @ -20°C NH, NLH, MH, MLH 40J @ -20°C & 27J @ -50°C | BS EN 1090 –1:2009+A1:2011 |
| Loadbearing capacity | NPD | BS EN 1090 –1:2009+A1:2011 |
| Fatigue strength | NPD | BS EN 1090 –1:2009+A1:2011 |
| Resistance to fire | NPD | BS EN 1090 –1:2009+A1:2011 |
| Reaction to fire | Class A1 (Steel only) | BS EN 1090 –1:2009+A1:2011 |
| Release of cadmium and its compounds | NPD | BS EN 1090 –1:2009+A1:2011 |
| Radioactivity | NPD | BS EN 1090 –1:2009+A1:2011 |
| Durability | Surface preparation to BS EN 1090-2 Preparation grade P3, Surface painted to Customer Specific Requirements: Thickness Range: 20 – 80 microns Weldable corrosion primer coating; Colour: Red/Brown or Grey (RAL 7012) | BS EN 1090 –1:2009+A1:2011 |

The performance of the type of product identified above is in conformity with the declared performance identified in the table.

Signed for and on behalf of the manufacturer:



Peter Whiting
CEO Kloeckner Metals UK



Declaration of Performance

Ref ASD 14 - 01 – 2911

| | |
|--|--|
| Process: | Shot blasted material to ISO 8501 Sa2.5 |
| Intended Use: | Structural metallic construction components intended for use in steel structures or composite steel and concrete structures where the components can be made from hot rolled, cold – formed or with other technologies – sections / profiles with various shapes, flat products (plates, sheets, strip), bars, castings, forgings made of steel material |
| Manufacturer: | ASD Ltd t/a Kloeckner Metals UK, Valley Farm Road, Stourton, Leeds LS10 1SD |
| System of assessment and verification of constancy performance: | System 2+ |
| Notified Body: | Steel Construction Certification Scheme |
| Notified Body Number: | 2273 |
| Steel Construction Certificate Scheme has performed:- Steel Construction Certificate Scheme has performed:- (i) An initial inspection of the manufacturing plant and factory product control and (ii) Continuous surveillance, assessment and evaluation of factory production control and issued a Factory Control Certificate 2273 – CPR – 0100. | |

| Essential Characteristics | Performance | Harmonised Technical Specification |
|---|---|------------------------------------|
| Tolerances of Dimensions and Shape | BS EN 1090-2 | BS EN 1090 –1:2009+A1:2011 |
| Weldability | BS EN 10025-2; S235, S275, S355 BS EN10210-1/BS EN10219-1: S235,S275, S355, S420,S460 | BS EN 1090 –1:2009+A1:2011 |
| Fracture toughness / impact resistance | BS EN10025 -2/BS EN10210-1/BS EN10219-1 JR(H) 27J @ 20°C JO (H) 27J @ 0°C J2(H) 27J @ -20°C K2(H) 40J @ -20°C NH, NLH, MH, MLH 40J @ -20°C & 27J @ -50°C | BS EN 1090 –1:2009+A1:2011 |
| Loadbearing capacity | NPD | BS EN 1090 –1:2009+A1:2011 |
| Fatigue strength | NPD | BS EN 1090 –1:2009+A1:2011 |
| Resistance to fire | NPD | BS EN 1090 –1:2009+A1:2011 |
| Reaction to fire | Class A1 (Steel only) | BS EN 1090 –1:2009+A1:2011 |
| Release of cadmium and its compounds | NPD | BS EN 1090 –1:2009+A1:2011 |
| Radioactivity | NPD | BS EN 1090 –1:2009+A1:2011 |
| Durability | Surface preparation to BS EN 1090-2 Preparation grade P3 | BS EN 1090 –1:2009+A1:2011 |

The performance of the type of product identified above is in conformity with the declared performance identified in the table.

Signed for and on behalf of the manufacturer:



Peter Whiting
CEO Kloeckner Metals UK

Declaration of Performance

Ref ASD 14 - 03 - 2911

| | |
|--|--|
| Process: | Holing |
| Intended Use: | Structural metallic construction components intended for use in steel structures or composite steel and concrete structures where the components can be made from hot rolled, cold – formed or with other technologies – sections / profiles with various shapes, flat products (plates, sheets, strip), bars, castings, forgings made of steel material |
| Manufacturer: | ASD Ltd t/a Kloeckner Metals UK, Valley Farm Road, Stourton, Leeds LS10 1SD |
| System of assessment and verification of constancy performance: | System 2+ |
| Notified Body: | Steel Construction Certification Scheme |
| Notified Body Number: | 2273 |
| Steel Construction Certificate Scheme has performed:- Steel Construction Certificate Scheme has performed:- (i) An initial inspection of the manufacturing plant and factory product control and (ii) Continuous surveillance, assessment and evaluation of factory production control and issued a Factory Control Certificate 2273 – CPR – 0100. | |

| Essential Characteristics | Performance | Harmonised Technical Specification |
|---|---|------------------------------------|
| Tolerances of Dimensions and Shape | BS EN 1090-2, Tolerance class D.1.8 Fastener holes, notches and cut-outs. | BS EN 1090 –2:2009+A1:2011 |
| Weldability | BS EN 10025-2; S235, S275, S355 BS EN10210-1/BS EN10219-1: S235,S275, S355, S420,S460 | BS EN 1090 –1:2009+A1:2011 |
| Fracture toughness / impact resistance | BS EN10025 -2/BS EN10210-1/BS EN10219-1 JR(H) 27J @ 20°C JO (H) 27J @ 0°C J2(H) 27J @ -20°C K2(H) 40J @ -20°C NH, NLH, MH, MLH 40J @ -20°C & 27J @ -50°C | BS EN 1090 –1:2009+A1:2011 |
| Loadbearing capacity | NPD | BS EN 1090 –1:2009+A1:2011 |
| Fatigue strength | NPD | BS EN 1090 –1:2009+A1:2011 |
| Resistance to fire | NPD | BS EN 1090 –1:2009+A1:2011 |
| Reaction to fire | Class A1 (Steel only) | BS EN 1090 –1:2009+A1:2011 |
| Release of cadmium and its compounds | NPD | BS EN 1090 –1:2009+A1:2011 |
| Radioactivity | NPD | BS EN 1090 –1:2009+A1:2011 |
| Durability | NPD | BS EN 1090 –1:2009+A1:2011 |

The performance of the type of product identified above is in conformity with the declared performance identified in the table.

Signed for and on behalf of the manufacturer:



Peter Whiting
CEO Kloeckner Metals UK



Declaration of Performance

Ref ASD 14 - 04 - 2945

| | |
|--|--|
| Process: | Profiling - Thermal Cutting |
| Intended Use: | Structural metallic construction components intended for use in steel structures or composite steel and concrete structures where the components can be made from hot rolled, cold – formed or with other technologies – sections / profiles with various shapes, flat products (plates, sheets, strip), bars, castings, forgings made of steel material |
| Manufacturer: | ASD Ltd t/a Kloeckner Metals UK, Pear Tree Lane, Dudley, West Midlands, DY2 0XA |
| System of assessment and verification of constancy performance: | System 2+ |
| Notified Body: | Steel Construction Certification Scheme |
| Notified Body Number: | 2273 |
| Steel Construction Certificate Scheme has performed:- Steel Construction Certificate Scheme has performed:- (i) An initial inspection of the manufacturing plant and factory product control and (ii) Continuous surveillance, assessment and evaluation of factory production control and issued a Factory Control Certificate 2273 – CPR – 0100. | |

| Essential Characteristics | Performance | Harmonised Technical Specification |
|---|--|------------------------------------|
| Tolerances of Dimensions and Shape | BS EN 1090-2, Quality of Cut surfaces in accordance with EN ISO 9013. Hardness of free edge surfaces in accordance with BS EN 1090 -2: 2008 +A1 2011 | BS EN 1090 –1:2009+A1:2011 |
| Weldability | BS EN 10025-2; S235, S275, S355 BS EN10210-1/BS EN10219-1: S235,S275, S355, S420,S460 BS EN 1090 -2 (Hardness tolerance <380HV) | BS EN 1090 –1:2009+A1:2011 |
| Fracture toughness / impact resistance | BS EN10025 -2/BS EN10210-1/BS EN10219-1 JR(H) 27J @ 20°C JO (H) 27J @ 0°C J2(H) 27J @ -20°C K2(H) 40J @ -20°C NH, NLH, MH, MLH 40J @ -20°C & 27J @ -50°C BS EN 1090 -2 (Hardness tolerance <380HV) | BS EN 1090 –1:2009+A1:2011 |
| Loadbearing capacity | NPD | BS EN 1090 –1:2009+A1:2011 |
| Fatigue strength | NPD | BS EN 1090 –1:2009+A1:2011 |
| Resistance to fire | NPD | BS EN 1090 –1:2009+A1:2011 |
| Reaction to fire | Class A1 (Steel only) | BS EN 1090 –1:2009+A1:2011 |
| Release of cadmium and its compounds | NPD | BS EN 1090 –1:2009+A1:2011 |
| Radioactivity | NPD | BS EN 1090 –1:2009+A1:2011 |
| Durability | NPD | BS EN 1090 –1:2009+A1:2011 |

The performance of the type of product identified above is in conformity with the declared performance identified in the table.

Signed for and on behalf of the manufacturer:



Peter Whiting
CEO Kloeckner Metals UK

Declaration of Performance

Ref ASD 14 - 04 - 2966

| | |
|--|--|
| Process: | Profiling - Thermal Cutting |
| Intended Use: | Structural metallic construction components intended for use in steel structures or composite steel and concrete structures where the components can be made from hot rolled, cold – formed or with other technologies – sections / profiles with various shapes, flat products (plates, sheets, strip), bars, castings, forgings made of steel material |
| Manufacturer: | ASD Ltd t/a Kloeckner Metals UK, Walker Park, Walker Industrial Estate, Guide, Blackburn BB1 2QE |
| System of assessment and verification of constancy performance: | System 2+ |
| Notified Body: | Steel Construction Certification Scheme |
| Notified Body Number: | 2273 |
| Steel Construction Certificate Scheme has performed:- Steel Construction Certificate Scheme has performed:- (i) An initial inspection of the manufacturing plant and factory product control and (ii) Continuous surveillance, assessment and evaluation of factory production control and issued a Factory Control Certificate 2273 – CPR – 0100. | |

| Essential Characteristics | Performance | Harmonised Technical Specification |
|---|--|------------------------------------|
| Tolerances of Dimensions and Shape | BS EN 1090-2, Quality of Cut surfaces in accordance with EN ISO 9013. Hardness of free edge surfaces in accordance with BS EN 1090 -2: 2008 +A1 2011 | BS EN 1090 –1:2009+A1:2011 |
| Weldability | BS EN 10025-2; S235, S275, S355 BS EN10210-1/BS EN10219-1: S235,S275, S355, S420,S460 BS EN 1090 -2 (Hardness tolerance <380HV) | BS EN 1090 –1:2009+A1:2011 |
| Fracture toughness / impact resistance | BS EN10025 -2/BS EN10210-1/BS EN10219-1 JR(H) 27J @ 20°C JO (H) 27J @ 0°C J2(H) 27J @ -20°C K2(H) 40J @ -20°C NH, NLH, MH, MLH 40J @ -20°C & 27J @ -50°C BS EN 1090 -2 (Hardness tolerance <380HV) | BS EN 1090 –1:2009+A1:2011 |
| Loadbearing capacity | NPD | BS EN 1090 –1:2009+A1:2011 |
| Fatigue strength | NPD | BS EN 1090 –1:2009+A1:2011 |
| Resistance to fire | NPD | BS EN 1090 –1:2009+A1:2011 |
| Reaction to fire | Class A1 (Steel only) | BS EN 1090 –1:2009+A1:2011 |
| Release of cadmium and its compounds | NPD | BS EN 1090 –1:2009+A1:2011 |
| Radioactivity | NPD | BS EN 1090 –1:2009+A1:2011 |
| Durability | NPD | BS EN 1090 –1:2009+A1:2011 |

The performance of the type of product identified above is in conformity with the declared performance identified in the table.

Signed for and on behalf of the manufacturer:



Peter Whiting
CEO Kloeckner Metals UK



Declaration of Performance

Ref ASD 14 - 03 - 2972

| | |
|--|--|
| Process: | Holing |
| Intended Use: | Structural metallic construction components intended for use in steel structures or composite steel and concrete structures where the components can be made from hot rolled, cold – formed or with other technologies – sections / profiles with various shapes, flat products (plates, sheets, strip), bars, castings, forgings made of steel material |
| Manufacturer: | ASD Ltd t/a Kloeckner Metals UK, Drum Road, Drum Industrial Estate, Chester-Le- Street, County Durham DH2 1ST |
| System of assessment and verification of constancy performance: | System 2+ |
| Notified Body: | Steel Construction Certification Scheme |
| Notified Body Number: | 2273 |
| Steel Construction Certificate Scheme has performed:- Steel Construction Certificate Scheme has performed:- (i) An initial inspection of the manufacturing plant and factory product control and (ii) Continuous surveillance, assessment and evaluation of factory production control and issued a Factory Control Certificate 2273 – CPR – 0100. | |

| Essential Characteristics | Performance | Harmonised Technical Specification |
|---|---|------------------------------------|
| Tolerances of Dimensions and Shape | BS EN 1090-2, Tolerance class D.1.8 Fastener holes, notches and cut-outs. | BS EN 1090 –2:2009+A1:2011 |
| Weldability | BS EN 10025-2; S235, S275, S355 BS EN10210-1/BS EN10219-1: S235,S275, S355, S420,S460 | BS EN 1090 –1:2009+A1:2011 |
| Fracture toughness / impact resistance | BS EN10025 -2/BS EN10210-1/BS EN10219-1 JR(H) 27J @ 20°C JO (H) 27J @ 0°C J2(H) 27J @ -20°C K2(H) 40J @ -20°C NH, NLH, MH, MLH 40J @ -20°C & 27J @ -50°C | BS EN 1090 –1:2009+A1:2011 |
| Loadbearing capacity | NPD | BS EN 1090 –1:2009+A1:2011 |
| Fatigue strength | NPD | BS EN 1090 –1:2009+A1:2011 |
| Resistance to fire | NPD | BS EN 1090 –1:2009+A1:2011 |
| Reaction to fire | Class A1 (Steel only) | BS EN 1090 –1:2009+A1:2011 |
| Release of cadmium and its compounds | NPD | BS EN 1090 –1:2009+A1:2011 |
| Radioactivity | NPD | BS EN 1090 –1:2009+A1:2011 |
| Durability | NPD | BS EN 1090 –1:2009+A1:2011 |

The performance of the type of product identified above is in conformity with the declared performance identified in the table.

Signed for and on behalf of the manufacturer:



Peter Whiting
CEO Kloeckner Metals UK

Declaration of Performance

Ref ASD 14 - 04 - 2972

| | |
|--|--|
| Process: | Profiling - Thermal Cutting |
| Intended Use: | Structural metallic construction components intended for use in steel structures or composite steel and concrete structures where the components can be made from hot rolled, cold – formed or with other technologies – sections / profiles with various shapes, flat products (plates, sheets, strip), bars, castings, forgings made of steel material |
| Manufacturer: | ASD Ltd t/a Kloeckner Metals UK, Drum Road, Drum Industrial Estate, Chester Le Street, County Durham. DH2 1ST |
| System of assessment and verification of constancy performance: | System 2+ |
| Notified Body: | Steel Construction Certification Scheme |
| Notified Body Number: | 2273 |
| Steel Construction Certificate Scheme has performed:- Steel Construction Certificate Scheme has performed:- (i) An initial inspection of the manufacturing plant and factory product control and (ii) Continuous surveillance, assessment and evaluation of factory production control and issued a Factory Control Certificate 2273 – CPR – 0100. | |

| Essential Characteristics | Performance | Harmonised Technical Specification |
|---|--|------------------------------------|
| Tolerances of Dimensions and Shape | BS EN 1090-2, Quality of Cut surfaces in accordance with EN ISO 9013. Hardness of free edge surfaces in accordance with BS EN 1090 -2: 2008 +A1 2011 | BS EN 1090 –1:2009+A1:2011 |
| Weldability | BS EN 10025-2; S235, S275, S355 BS EN10210-1/BS EN10219-1: S235,S275, S355, S420,S460 BS EN 1090 -2 (Hardness tolerance <380HV) | BS EN 1090 –1:2009+A1:2011 |
| Fracture toughness / impact resistance | BS EN10025 -2/BS EN10210-1/BS EN10219-1 JR(H) 27J @ 20°C JO (H) 27J @ 0°C J2(H) 27J @ -20°C K2(H) 40J @ -20°C NH, NLH, MH, MLH 40J @ -20°C & 27J @ -50°C BS EN 1090 -2 (Hardness tolerance <380HV) | BS EN 1090 –1:2009+A1:2011 |
| Loadbearing capacity | NPD | BS EN 1090 –1:2009+A1:2011 |
| Fatigue strength | NPD | BS EN 1090 –1:2009+A1:2011 |
| Resistance to fire | NPD | BS EN 1090 –1:2009+A1:2011 |
| Reaction to fire | Class A1 (Steel only) | BS EN 1090 –1:2009+A1:2011 |
| Release of cadmium and its compounds | NPD | BS EN 1090 –1:2009+A1:2011 |
| Radioactivity | NPD | BS EN 1090 –1:2009+A1:2011 |
| Durability | NPD | BS EN 1090 –1:2009+A1:2011 |

The performance of the type of product identified above is in conformity with the declared performance identified in the table.

Signed for and on behalf of the manufacturer:



Peter Whiting
CEO Kloeckner Metals UK



Declaration of Performance

Ref ASD 18 – 05 - 2949



Contract No:
Customer:
Project:
Order No:

| | |
|---|---|
| Type: | Cellular beams, Tapered Beams, USFB, Plate Girders etc. |
| Intended Use: | Structural metallic construction components intended for use in steel structures or composite steel and concrete structures where the components can be made from hot rolled, cold-formed or with other technologies produced sections/profiles with various shapes, flat products (Plates, sheet and strip), bars, castings, forgings made of steel materials. |
| Manufacturer: | ASD Westok Ltd t/a Kloeckner Metals UK Westok, Valley Farm Way, Stourton, Leeds LS10 1SE |
| System of assessment and verification of constancy performance: | System 2+ |
| Notified Body: | SCCS, 4 Whitehall Court Westminster London SW1A 2ES |
| Notified Body Number: | 2273 |
| SCCS has performed (i) initial inspection of the manufacturing plant and factory product control and (ii) continuous surveillance, assessment and evaluation of factory production control and issued a Factory Production Control certificate 2273-CPR-0049 and Welding Certificate 2273-CPR-0049-WC | |

| Essential Characteristics | Performance | Harmonised technical specification |
|---|---|------------------------------------|
| Tolerances on dimensions and shape | BS EN 1090-2 | BS EN 1090-1+ A1:2011 |
| Weldability | BS EN 10025-2 S355 | BS EN 1090-1+ A1:2011 |
| Fracture toughness / impact resistance | S275JR (27KJ 20°C) S275J0 (27kJ 0°C) S275J2 (27KJ -20°C) S355JR (27KJ 20°C) S355J0 (27KJ 0°C) S355J2 (27KJ -20°C) S355K2 (40KJ -20°C) | BS EN 1090-1+ A1:2011 |
| Load bearing capacity | No Performance Characteristics Declared | BS EN 1090-1+ A1:2011 |
| Fatigue strength | No Performance Characteristics Declared | BS EN 1090-1+ A1:2011 |
| Resistance to fire | No Performance Characteristics Declared | BS EN 1090-1+ A1:2011 |
| Reaction to fire | Class A1 (steel only) | BS EN 1090-1+ A1:2011 |
| Release of cadmium and its compounds | No Performance Characteristics Declared | BS EN 1090-1+ A1:2011 |
| Radioactivity | No Performance Characteristics Declared | BS EN 1090-1+ A1:2011 |
| Durability | Surface preparation according to BS EN 1090-2, Preparation Grade P3, Surface painted according to BS EN ISO 129944, Red or Grey 20-60 Microns, Dr Demuth Shop Primer Hydro S. Or Steel only | BS EN 1090-1+ A1:2011 |

The performance of the product identified above is in conformity with the declared performance identified in the table.

These characteristics should be interpreted in accordance with Component specification specified on Customer Order No.....

Signed for on behalf of **Westok** by:

John Thewliss, SHEQ Manager (RWC)

Leeds

Place and date of issue