Despatch No.: 207462 Date: 16/10/18 S/O No.: 213759
Cust Name: WELDRITE STRUCTURES LTD Cust Ref: WSL10151 Parent: 391406
Mill Ref....: S275JR Cast No....: GE261823 Weight: 0.263 Pieces: 2 Size: 6.200
Product: FLAT180*15 Child Batch No: 391406

Inspection Certificate

STAHL GERLAFINGEN
AFV BELTRAME GROUP
Stahl Gerlafingen AG
Postfach
CH-4563 Gerlafingen
CHE-105.859.757 MWST
www.stahl-gerlafingen.com - info@stahl-gerlafingen.com

61183

CE
0780
18
0780-CPD-52003

Consignee: 391406

Kromat Trading Ltd.
9, Palace Court
GB-W2 4LP LONDON

Inspection document no.:	80484119.01
Inspection certificate:	EN 10204 - 3.1
Steel grade:	S235JR (S275JR+AR)
Material no.:	1.0038/1.0044

Confirmation of order:	168735
Purchase order:	Mail dated 02.02.2018 by e-mail
Delivery note:	80484119
Goods movement date:	15.03.2018

It.	Head of improvement	Article-No.	Description	C %	Si %	Mn %	P %	S %	Cr %	Mo %	Ni %	Cu %	V %	Nb %	Ti %	Al %	Ca %	N ppm	CEV %
1	GE 261823	172659	WIDE FLAT 180x15 S235/275JR 6.1m	0.13	0.17	0.56	0.010	0.024	0.10	0.01	0.13	0.41	0.001	0.002	0.001	0.003		83	0.281
2	GE 263657	172660	WIDE FLAT 180x20 S235/275JR 6.1m	0.11	0.16	0.60	0.024	0.025	0.18	0.02	0.16	0.40	0.002	0.002	0.001	0.002		77	0.282
3	GE 263622	172693	WIDE FLAT 200x8 S235/275JR 6.1m	0.10	0.16	0.58	0.024	0.029	0.19	0.02	0.21	0.54	0.002	0.001	0.001	0.001		78	0.286
4	GE 263647	172693	WIDE FLAT 200x8 S235/275JR 6.1m	0.10	0.15	0.55	0.011	0.026	0.07	0.02	0.15	0.37	0.001	0.001	0.001	0.004		80	0.241
5	GE 263611	172663	WIDE FLAT 200x10 S235/275JR 6.1m	0.10	0.14	0.57	0.010	0.024	0.14	0.03	0.21	0.37	0.001	0.001	0.001	0.001		70	0.266
6	GE 263613	172663	WIDE FLAT 200x10 S235/275JR 6.1m	0.09	0.18	0.55	0.016	0.030	0.15	0.02	0.19	0.40	0.001	0.001	0.001	0.001		73	0.259

It.	Cast	Origin	CE			Bundles / Coils	Weight t	Section mm2	Section %	Tensile test ReH/MP	Tensile test RmMPa	Tensile test Rm/Re	Tensile test Agt %	Tensile test A5,65 %	Ribs fR	Impact test Positio	Impact test K1 J	Impact test K2 J	Impact test K3 J	Impact test Aver. J	Impact test Tec
1	GE 261823	Gerlafingen	780			2				317	435			37.8							
2	GE 263657	Gerlafingen	780			3				309	439			39.0							
3	GE 263622	Gerlafingen	780			4				325	454			38.9							
4	GE 263647	Gerlafingen	780			3				306	433			40.1							
5	GE 263611	Gerlafingen	780			4				313	436			40.4							
6	GE 263613	Gerlafingen	780			5				319	441			37.8							

Inspector	Factory Gerlafingen		Date 12.04.2018	Quality Assurance Dept. H.-J. Opatz

MATERIAL AND TEST CERTIFICATE SUPPLIED BY
ARCELORMITTAL DOWNSTREAM SOLUTIONS -
DISTRIBUTION WEST EUROPE LONG PRODUCTS LIMITED
YOUR ORDER REF VBL PHIL
ADVICE NOTE NO. 403914 / 3
SIGNED

17442

STAHL GERLAFINGEN
AFV BELTRAME GROUP
Stahl Gerlafingen AG
Postfach
CH-4563 Gerlafingen
CHE-105.859.757 MWST
www.stahl-gerlafingen.com - info@stahl-gerlafingen.com

Declaration of performance

CE
0780
18
0780-CPD-52003

Consignee:

Kromat Trading Ltd.
9, Palace Court
GB-W2 4LP LONDON

Inspection document no.: 80484119.01
Delivery note: 80484119

1	Identification product code	Steel grade / material no.						
2	Identification of the product	Certificate, delivery note and label						
3	Intended use	Hot-rolled structural steel products for metal building structures or in composite concrete composite structures according to EN 10025-1:2004						
4	Manufacturer	Stahl Gerlafingen AG Postfach CH-4563 Gerlafingen CHE-105.859.757 MWST www.stahl-gerlafingen.com - info@stahl-gerlafingen.com						
5	System to evaluate the performance according to regulation (EU) no 305/2011	System 2+						
6	Notified body	TÜV Rheinland Bautechnik GmbH (0780) Tillystrasse 2 D-90431 Nürnberg						
7	Tasks of the notified body	The notified body has performed the initial inspection of factory and factory production control and the continuous surveillance, assessment and approval of factory production control and has issued the certificate 0780-CPD-52003.						
8	Declared performance	Thickness [mm]	S235 JR/J0/J2	S275 JR/J0/J2	S235/S275 JR/J0/J2	S355 JR/J0/J2	EN 10025-2: 2004	Tolerances on dimensions and shape
	Yield strength ReH [MPa]	<= 16	>= 235	>= 275	>= 275	>= 355		Flat bars in accordance with EN 10058, wide flat bars in accordance with DIN 59200 and angles in accordance with EN 10056-1 and tolerances in accordance with EN 10056-2
		> 16 / <= 40	>= 225	>= 265	>= 265	>= 345		
	Tensile strength Rm [MPa]	>= 3 / <= 100	>= 360 / <= 510	>= 410 / <= 560	>= 410 / <= 510	>= 470 / <= 630		
	Elongation A5,65[%]	>= 3 / <= 40	>= 26	>= 23	>= 26	>= 22		European wide flange beams HEB/IPB and HEA/IPBl in accordance with DIN 1025-2 and -3 and tolerances in accordance with EN 10034
	Impact strength [J]	<= 150	>= 27	>= 27	>= 27	>= 27		
		Temperature: JR at 20°C / J0 at 0°C / J2 at -20°C						
	Weldability CEV [%]	<= 30	<= 0.35	<= 0.40	<= 0.35	<= 0.45		European beams IPE in accordance with DIN 1025-5 and tolerances in accordance with EN 10034
		> 30 / <= 40	<= 0.35	<= 0.40	<= 0.35	<= 0.47		
	Suitable for zinc coating	Classes 2 and 3						European taper flange channels UPN in accordance with DIN 1026-1 and tolerances in accordance with EN 10279
	Durability	No performance determined						
	Non-radioactivity is controlled.							
	Regulated material: No performance determined.							
	Electric arc furnace (>95% recycling content). Environmental product declaration ICQM - 14011EPD.							
The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.								
Signed for and on behalf of Stahl Gerlafingen AG by:		Gerlafingen, 12.04.2018		René Bollier Country Manager		Dr. Christoph Zeltner Head of improvement management		

395054

Pag. 1/2

LAMINÉS MARCHANDS EUROPÉENS
AFV BELTRAME GROUP

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PITCHFORD STEELSTOCK LTD
PEDMORE ROAD INDUSTRIAL ESTATE
GB DY51T BRIERLEY HILL -

AGENT ORDER N 178/2012980
CUSTOMER CODE 6260
CUSTOMER ORDER N PO017827
CONSIGNEE PITCHFORD STEELSTOCK LTD
GRADE S275JR+AR

Steel from electric arc furnace

INSPECTION DOCUMENT N 932902
OFFICIAL REGULATION EN 10025-2/2004

Environmental product declaration : ICQM - 14011EPD

INSPECTION CERTIFICATE 3.1 - EN10204
ENCLOSE CERTIFICATION CE

LOADING NUMBER: 363927 LOADING DATE: 20/11/2017 INTERNAL ORDER: E 847621

IT.	CAST	SECTION	DIMENSIONS mm	CE	LENGTH mt	C	Si	Mn	P	S	Cu	Cr	Ni	V	Mo	Ti	Nb	N	Ceq	Al
1	LM 21450	FLAT	180X20	0398	6,00	0,07	0,17	0,55	0,019	0,028	0,36	0,10	0,13	0,003	0,03	0,0018	0,0016	0,0118	0,220	0,0014

IT.	CAST	ORIGIN	PRODUCT REGULATION	TEST NUM	Bdls D.	WEIGHT Kg	TENSILE TEST MaN/MPa	Mn/MPa	A5%	Z%	IMPACT TEST °C	Kv 300/10 J	RATIO REDUC.	BEND TEST < D	GRAIN	HARDNESS	INSPECTION SUP. INSIDE	ANTI MIX.
1	LM 21450	TRITH	DIN 59200	2060791	1	2.264	286	410	33,8									

INSPECTOR
FACTORY TRITH ST LEGER
DATE 20/11/17
QUALITY CONTROL DEPT Amelie Bourry
Document validated by electronic sign
QUALITY ASSURANCE DEPT Sebastien Crom

CT0065521/ CT006552

Laminés Marchands Européens S.A. - 2, rue Emile Zola - 59125 Trith Saint Léger (France)
Tél. +33 (0)3 27 14 20 20 - Fax +33 (0)3 27 14 20 10 - S.A. au Capital de 32 308 345 € RCS Valenciennes B 568 801 013
N° SIRET 568 801 013 00018 - N° d'identification à la TVA FR 03 568 801 013 - contact@lme.fr - www.groupebeltrame.com

701 We hereby certify that above mentioned materials have been delivered in accordance with the terms of order
D01 Surface control and dimensional check satisfactory

Despatch No.: 207462 Date: 16/10/18 S/O No.: 213759
Cust Name: WELDRITE STRUCTURES LTD Cust Ref: WSL10151 Parent: 395054
Mill Ref....: S275JR Cast No....: LM21450 Weight: 0.350 Pieces: 2 Size: 6.200
Product: FLAT180*20 Child Batch No: 395054

LAMINÉS MARCHANDS EUROPÉENS
AFV BELTRAME GROUP

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MARQUAGE DE CONFORMITE' CE
CE CONFORMITY MARKING

PITCHFORD STEELSTOCK LTD
PEDMORE ROAD INDUSTRIAL ESTATE
GB DY51T BRIERLEY HILL -

INSPECTION DOCUMENT N : 932902/

LME DECLARE QUE LES PRODUITS INDIQUES SONT CONFORMES AUX EXIGENCES PREVUES PAR LA LEGISLATION
LME DECLARES THAT THE SUITABLE PRODUCTS ARE CONFORMING TO THE REQUISITE FORESEEN BY THE LEGISLATION

EN 10025-1 PRODUITS EN ACIER LAMINES A CHAUD HOT ROLLED STRUCTURAL STEEL PRODUCTS USAGE STRUCTURES METALLIQUES STRUCTURES MIXTES ACIER BETON USE METALLIC STRUCTURES MIXED STEEL-CONCRETE STRUCTURE	Elongation - Elongation Résistance à la traction - Tensile Strength Limite d'élasticité - Yeld Strength Résistance aux chocs - Impact Strength Soudabilité - Weldability Durabilité - Durability	**S275JR+AR - EN 10025-2/2004** DoP N. LME - 04_04
	Substances Règlementeés - Regulated substance	NPD

Usine Factory	Adresse Address	Année Year	Certificat de contrôle de la production Production Control Certificate
TRITH ST LEGER	Rue Emile Zola	17	CE 0398 0398/CPR/MP/15.013

CT0065521/1 CT0065521

Z01 We hereby certify that above mentioned materials have been delivered in accordance with the terms of order.
D01 Surface control and dimensional check = satisfactory

397 848

LAMINÉS MARCHANDS EUROPÉENS (A04)
AFV BELTRAME GROUP

(Z04) CE 0398
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(A36) PULHAM STEELS LIMITED
THE OLD SAWMILLS
GB DT27D DORCHESTER (DORSET) -

(A03)
INSPECTION DOCUMENT N.: 967650
OFFICIAL REGULATION: EN 10025-2/2004

(A02)
INSPECTION CERTIFICATE 3.1 - EN10204
ENCLOSE CERTIFICATION CE

(C70) Steel from electric arc furnace

(A10) Environmental product declaration : ICQM - 14011EPD

AGENT ORDER N. 178/2045404
CUSTOMER CODE 8152
(A07) CUSTOMER ORDER N. 26416
CONSIGNEE PULHAM STEELS LIMITED
(B02 B04) GRADE S275JR+AR

LOADING NUMBER: 379529 LOADING DATE: 21/08/2018 (A06) INTERNAL ORDER: E 867504

IT.	(B07) CAST	(B01) SECTION	(B09-B10-B11) DIMENSIONS mm	CE	LENGTH mt	(C71->C92) C	Si	Mn	P	S	Cu	Cr	Ni	V	Mo	Ti	Nb	N	Ceq	Al
1	LM 27185	ROUND	12	0398	6,00	0,11	0,20	0,63	0,031	0,019	0,37	0,14	0,17	0,003	0,03	0,0018	0,0025	0,0047	0,289	0,0021
2	LM 26968	ROUND	16	0398	6,00	0,07	0,18	0,54	0,030	0,031	0,36	0,08	0,14	0,003	0,03	0,0019	0,0017	0,0083	0,218	0,0016
3	LM 26085	FLAT	100X10	0398	6,00	0,08	0,16	0,62	0,034	0,030	0,32	0,09	0,13	0,003	0,03	0,0018	0,0013	0,0085	0,231	0,0014
4	LM 25793	FLAT	120X10	0398	6,00	0,07	0,17	0,56	0,016	0,035	0,35	0,10	0,12	0,003	0,03	0,0019	0,0013	0,0097	0,222	0,0011
6	LM 25766	FLAT	150X10	0398	6,00	0,08	0,17	0,59	0,022	0,034	0,30	0,14	0,15	0,003	0,03	0,0021	0,0013	0,0104	0,240	0,0015
7	LM 27157	ANGLE	50X50X5	0398	6,00	0,08	0,19	0,57	0,030	0,035	0,34	0,11	0,14	0,003	0,03	0,0017	0,0028	0,0045	0,232	0,0014
7	LM 27159	ANGLE	50X50X5	0398	6,00	0,10	0,21	0,63	0,030	0,035	0,32	0,16	0,14	0,003	0,03	0,0018	0,0034	0,0040	0,273	0,0015
8	LM 23001	FLAT	120X6	0398	6,00	0,09	0,15	0,53	0,013	0,030	0,32	0,09	0,10	0,002	0,03	0,0012	0,0017	0,0080	0,231	0,0004

IT.	(B07) CAST	(A0*) ORIGIN	PRODUCT REGULATION	(C0C) TEST NUM	(B08) Bdls n.	(B13) WEIGHT Kg	TENSILE TEST (C11) ReH/MPa	(C12) Rm/MPa	(C13) A5%	Z%	IMPACT TEST (C42) (C42) (C42) Kv 300/10 J	(C03) °C	RATIO REDUC.	BEND TEST <	D	GRAIN	HARDNESS	INSPECTION SUP. INSIDE	ANTI MIX.
1	LM 27185	TRITH	EN 10060	2069433	1	2.268	315	440	31,2										
2	LM 26968	TRITH	EN 10060	2069036	1	2.250	287	410	33,8										
3	LM 26085	TRITH	EN 10058	2067913	1	2.380	298	424	33,7										
4	LM 25793	TRITH	EN 10058	2067420	1	2.316	291	413	34,0										
6	LM 25766	TRITH	EN 10058	2067650	1	2.172	295	420	33,7										
7	LM 27157	TRITH	EN 10056-2	2069404	1	2.316	298	430	34,2										
7	LM 27159	TRITH	EN 10056-2	2069412	1	2.300	312	449	32,7										
8	LM 23001	TRITH	EN 10058	2064453	1	2.375	310	424	33,1										

INSPECTOR | FACTORY: TRITH ST LEGER | (Z02) DATE: 21/08/18 | (A05) QUALITY CONTROL DEPT: Amalie Boury | Document validated by electronic sign | (Z03) QUALITY ASSURANCE DEPT: Sabastien Crom

Laminés Marchands Européens S.A. - 2, rue Emile Zola - 59125 Trith Saint Léger (France)
Tél. +33 (0)3 27 14 20 20 - Fax +33 (0)3 27 14 20 10 - S.A. au Capital de 32.300.345 € RCS Valenciennes B 568 801 013
N° SIRET 568 801 013 00018 - N° d'identification à la TVA FR 03 568 801 013 - contact@lme.fr - www.grupobeltrame.com

Z01 We hereby certify that above mentioned materials have been delivered in accordance with the terms of order.
D01 Surface control and dimensional check = satisfactory

Despatch No.: 207462 Date: 16/10/18 S/O No.: 213759
Cust Name: WELDRITE STRUCTURES LTD Cust Ref: WSL10151 Parent: 397848
Mill Ref....: S275JR Cast No....: LM26085/24822 Weight: 0.195 Pieces: 4
Size: 6.200 Product: FLAT100*10 Child Batch No: 397848

LAMINÉS MARCHANDS EUROPÉENS
AFV BELTRAME GROUP

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0398

MARQUAGE DE CONFORMITE' CE
CE CONFORMITY MARKING

PULHAM STEELS LIMITED
THE OLD SAWMILLS
GB DT27D DORCHESTER (DORSET) -

INSPECTION DOCUMENT N.: 967650/

LME DECLARE QUE LES PRODUITS INDIQUES SONT CONFORMES AUX EXIGENCES PREVUES PAR LA LEGISLATION
LME DECLARES THAT THE SUITABLE PRODUCTS ARE CONFORMING TO THE REQUISITE FORESEEN BY THE LEGISLATION

EN 10025-1 PRODUITS EN ACIER LAMINES A CHAUD HOT ROLLED STRUCTURAL STEEL PRODUCTS USAGE: STRUCTURES METALLIQUES STRUCTURES MIXTES ACIER BETON USE: METALLIC STRUCTURES MIXED STEEL-CONCRETE STRUCTURE	Elongation - Elongation Résistance à la traction - Tensile Strength Limite d'élasticité - Yeld Strength Résistance aux chocs - Impact Strength Soudabilité - Weldability Durabilité - Durability	**S275JR+AR - EN 10025-2/2004** DoP N. LME - 04_04
	Substances Règlementeés - Regulated substance	NPD

Usine Factory	Adresse Address	Année Year	Certificat de contrôle de la production Production Control Certificate
TRITH ST LEGER	Rue Emile Zola	18	CE 0398 0398/CPR/MP/15.013

Z01 We hereby certify that above mentioned materials have been delivered in accordance with the terms of order.
D01 Surface control and dimensional check = satisfactory

LAMINÉS MARCHANDS EUROPÉENS A04
AFV BELTRAME GROUP

Z04 CE 0398
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A06 **PULHAM STEELS LIMITED**
THE OLD SAWMILLS
GB DT27D DORCHESTER (DORSET) -

A03
INSPECTION DOCUMENT N.: **967650**
OFFICIAL REGULATION: **EN 10025-2/2004**

A02
INSPECTION CERTIFICATE **3.1 - EN10204**
ENCLOSE CERTIFICATION CE

C70 **Steel from electric arc furnace**

A10 **Environmental product declaration : ICQM - 14011EPD**

AGENT ORDER N. **178/2045404**
CUSTOMER CODE **8152**
A07 CUSTOMER ORDER N. **26416**
CONSIGNEE **PULHAM STEELS LIMITED**
B02 B04 GRADE **S275JR+AR**

LOADING NUMBER: 379529 **LOADING DATE: 21/08/2018** A08 **INTERNAL ORDER: E 867504**

IT.	B07 CAST	B01 SECTION	B09 - B10 - B11 DIMENSIONS mm	CE	LENGTH mt	C71->C82 C	Si	Mn	P	S	Cu	Cr	Ni	V	Mo	Ti	Nb	N	Ceq	Al
9	LM 23419	FLAT	140X10	0398	6,00	0,08	0,17	0,53	0,018	0,028	0,25	0,11	0,16	0,003	0,03	0,0017	0,0017	0,0077	0,221	0,0013
10	LM 27184	ANGLE	80X80X6	0398	6,00	0,09	0,20	0,57	0,025	0,035	0,38	0,12	0,17	0,003	0,03	0,0018	0,0025	0,0055	0,251	0,0018
12	LM 24822	FLAT	100X10	0398	6,00	0,09	0,20	0,55	0,017	0,026	0,31	0,08	0,14	0,003	0,03	0,0022	0,0013	0,0065	0,235	0,0020

IT.	B07 CAST	A01 ORIGIN	PRODUCT REGULATION	C00 TEST NUM	B08 Bdls n.	B13 WEIGHT Kg	TENSILE TEST C11 ReH/MPa	C12 Rm/MPa	C13 A5%	Z%	C42 IMPACT TEST C42 C42 Kv 300/10 J	C03 °C	RATIO REDUC.	BEND TEST <	D	GRAIN	HARDNESS	INSPECTION SUP. INSIDE	ANTI MIX.
9	LM 23419	TRITH	EN 10058	2063924	1	1.173	293	410	33,7										
10	LM 27184	TRITH	EN 10056-2	2069428	1	2.236	303	431	33,2										
12	LM 24822	TRITH	EN 10058	2066093	1	2.397	298	420	32,7										

INSPECTOR | FACTORY: TRITH ST LEGER | Z02 DATE: 21/08/18 | A05 QUALITY CONTROL DEPT: Amelie Boury | Document validated by electronic sign | Z02 QUALITY ASSURANCE DEPT: Sebastien Crom

Z01 We hereby certify that above mentioned materials have been delivered in accordance with the terms of order.
D01 Surface control and dimensional check = satisfactory

LAMINÉS MARCHANDS EUROPÉENS
AFV BELTRAME GROUP

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0398

MARQUAGE DE CONFORMITE' CE
CE CONFORMITY MARKING

PULHAM STEELS LIMITED
THE OLD SAWMILLS
GB DT27D DORCHESTER (DORSET) -

INSPECTION DOCUMENT N.: 967650/

LME DECLARE QUE LES PRODUITS INDIQUES SONT CONFORMES AUX EXIGENCES PREVUES PAR LA LEGISLATION
LME DECLARES THAT THE SUITABLE PRODUCTS ARE CONFORMING TO THE REQUISITE FORESEEN BY THE LEGISLATION

EN 10025-1 PRODUITS EN ACIER LAMINES A CHAUD HOT ROLLED STRUCTURAL STEEL PRODUCTS USAGE: STRUCTURES METALLIQUES STRUCTURES MIXTES ACIER BETON USE: METALLIC STRUCTURES MIXED STEEL-CONCRETE STRUCTURE	Elongation - Elongation Résistance à la traction - Tensile Strength Limite d'élasticité - Yeld Strength Résistance aux chocs - Impact Strength Soudabilité - Weldability Durabilité - Durability	**S275JR+AR - EN 10025-2/2004** DoP N. LME - 04_04
	Substances Règlementeés - Regulated substance	NPD

Usine Factory	Adresse Address	Année Year	Certificat de contrôle de la production Production Control Certificate
TRITH ST LEGER	Rue Emile Zola	18	CE 0398 0398/CPR/MP/15.013

Z01 We hereby certify that above mentioned materials have been delivered in accordance with the terms of order.
D01 Surface control and dimensional check = satisfactory