

Mill Test Certificate

Customer: WORKS & BUILDING CO.,
Safat - KUWAIT
Sales and Order Number: 12010224/1
Shipping Date: 28/11/0016
Purchase Order Number: Email
Purchase Date: 09/11/2016
Delivery Note: 32090955

Date : 29-11-2016

Product: PPGI
Specification: ASTMA755M
Grade: FS TYPE A (LFQ)
Substrate: G60-ASTMA653M
Top Color: 1024-0121 RAL 9002
Back Color: 9014-0308 UNIVERSAL EPOXY BACKER
Paint System: MOLAWAN

#	Col Id	Heat ID	Dimensions			Net Weight	Zinc Coating	% Chemical Composition							Tensile Test			Hardness Test	Paint Top	Paint Bottom	Adhesion Impact	Adhesion T Bend	Bend Flex Test	Pencil Hardness	Solvent Resistance	Gloss	Color DE
			[mm]		[m]			x 10-3							[N/mm2]		[%]										
			T	W	L			[MTon]	[g/m2]	C	Si	Mn	S	Al	P	TS	YP										
1	151647007320	7138937	0.55	1090	828	3.644	190	40	40	200	4	31	18	375	299	38	52.0	24.0	7.0	Pass	3T	3T	1H	50	51	0.15	
2	151647007410	7138937	0.55	1090	780	3.436	195	40	40	200	4	31	18	376	304	36	60.0	24.0	7.0	Pass	3T	3T	1H	50	51	0.15	
3	151647007420	7138937	0.55	1090	785	3.460	195	40	40	200	4	31	18	376	304	36	60.0	24.0	7.0	Pass	3T	3T	1H	50	51	0.15	
4	151647007310	7138937	0.55	1090	780	3.440	190	40	40	200	4	31	18	376	300	38	52.0	24.0	7.0	Pass	3T	3T	1H	50	51	0.15	
5	151647007510	7138937	0.55	1090	780	3.441	188	40	40	200	4	31	18	370	295	37	57.0	24.0	7.0	Pass	3T	3T	1H	50	51	0.16	
6	151647007520	7138937	0.55	1090	849	3.745	188	40	40	200	4	31	18	370	295	37	57.0	24.0	7.0	Pass	3T	3T	1H	50	51	0.16	
7	151647007610	7138937	0.55	1090	780	3.445	188	40	40	200	4	31	18	372	295	37	57.0	25.0	7.0	Pass	3T	3T	1H	50	52	0.25	
Total Weight						24.611																					

We hereby certify that the material herein has been made and tested in accordance with above specification and the results of all tests are acceptable.

Manager Quality Assurance:



Certificate # : QC_32090955_12010224_001.X



ملفات سعودية تسمية من لوائح وصفات الحديد المطبقة
Saudi Quality Coated Steel, Coils & Sheets

Issue : 02 / Rev: 00

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S&M e-mail: sales@unicoil.com.sa



UNIVERSAL METAL COATING COMPANY LTD.
C.R. No. 2055003661 | Capital Paid up to SR 170,000,000
P.O. Box 11606 Al-Jubail Ind. City 31961 Saudi Arabia
Tel.: + 966 13 358 8400 | Facsimile: + 966 13 358 8480
A Joint venture Between Al Rashed & Al Zamil Groups

الشركة العالمية لطلاء المعادن المحدودة
س ت ٢٠٥٥٠٠٣٦٦١ رأس المال المدفوع ١٧٠٠٠٠٠٠٠ ريال سعودي
ص ب ١١٦٠٦ مدينة الجبيل الصناعية ٣١٩٦١ المملكة العربية السعودية
هاتف: +٩٦٦ ١٣ ٣٥٨ ٨٤٠٠ فاكس: +٩٦٦ ١٣ ٣٥٨ ٨٤٨٠
شركة مشتركة بين مجموعتي الراشد والزامل

www.unicoil.com.sa

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Substrate: G60-ASTMA653M
Top Color: 1024-0121 RAL 9002
Back Color: 9014-0308 UNIVERSAL EPOXY BACKER
Paint System: MOLAWAN

#	Col Id	Heat ID	Dimensions			Net Weight	Zinc Coating	% Chemical Composition							Tensile Test			Hardness Test	Paint Top	Paint Bottom	Adhesion Impact	Adhesion T Bend	Bend Flex Test	Pencil Hardness	Solvent Resistance	Gloss	Color DE
			[mm]		[m]			x 10-3							[N/mm2]		[%]										
			T	W	L			[MTon]	[g/m2]	C	Si	Mn	S	Al	P	TS	YP										
1	151647007620	7138937	0.55	1090	795	3.514	188	40	40	200	4	31	18	372	295	37	57.0	25.0	7.0	Pass	3T	3T	1H	50	52	0.25	
2	151647007710	7138937	0.55	1090	780	3.426	195	40	40	200	4	31	18	376	299	38	60.0	24.0	7.0	Pass	3T	3T	1H	50	51	0.12	
3	151647007720	7138937	0.55	1090	838	3.686	195	40	40	200	4	31	18	376	299	38	60.0	24.0	7.0	Pass	3T	3T	1H	50	51	0.12	
4	151647007810	7138937	0.55	1090	780	3.446	188	40	40	200	4	31	18	370	295	37	57.0	24.0	7.0	Pass	3T	3T	1H	50	51	0.14	
5	151647007820	7138937	0.55	1090	807	3.561	188	40	40	200	4	31	18	370	295	37	57.0	24.0	7.0	Pass	3T	3T	1H	50	51	0.14	
6	151647007910	7138937	0.55	1090	780	3.442	190	40	40	200	4	31	18	375	304	36	52.0	24.0	7.0	Pass	3T	3T	1H	50	51	0.10	
7	151647007920	7138937	0.55	1090	832	3.670	190	40	40	200	4	31	18	375	304	36	52.0	24.0	7.0	Pass	3T	3T	1H	50	51	0.10	
Total Weight						24.745																					

We hereby certify that the material herein has been made and tested in accordance with above specification and the results of all tests are acceptable.

Manager Quality Assurance:



منتجات سعودية تلبية من لوائح وصفات الحديد المطبقة
Saudi Quality Coated Steel, Coils & Sheets

Issue : 02 / Rev: 00

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A Joint venture Between Al Rashid & Al Fakhri Groups



Certificate # : QC_32090956_12010224_001.X

الشركة العالمية لطلاء المعادن المحدودة
س.ت. ٢٠٥٥٠٠٣٦٦١ رأس المال المدفوع ٥٨١٧٠٠٠٠٠٠٠ ريال سعودي
ص.ب. ١١٦٠٦ مدينة الجبيل الصناعية ٣١٩٦١ المملكة العربية السعودية
هاتف: +٩٦٦ ١٣ ٣٥٨ ٨٤٠٠ فاكس: +٩٦٦ ١٣ ٣٥٨ ٨٤٨٠
شركة مشتركة بين مجموعتي الراشد والفخري

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Substrate: G60-ASTMA653M
Top Color: 1024-0121 RAL 9002
Back Color: 9014-0308 UNIVERSAL EPOXY BACKER
Paint System: MOLAWAN

#	Col Id	Heat ID	Dimensions			Net Weight [MTon]	Zinc Coating [g/m2]	% Chemical Composition						Tensile Test			Hardness Test [HRB]	Paint Top [um]	Paint Bottom [um]	Adhesion Impact [13J]	Adhesion T Bend 3T	Bend Flex Test 3T	Pencil Hardness 1H	Solvent Resistance 50	Gloss 51	Color DE 0.12
			[mm]		[m]			x 10-3						[N/mm2]		[%]										
			T	W	L			C	Si	Mn	S	Al	P	TS	YP	EL										
1	151647008010	7138937	0.55	1090	780	3.439	190	40	40	200	4	31	18	375	299	38	52.0	24.0	7.0	Pass	3T	3T	1H	50	51	0.12
2	151647008020	7138937	0.55	1090	851	3.753	190	40	40	200	4	31	18	375	299	38	52.0	24.0	7.0	Pass	3T	3T	1H	50	51	0.12
3	151647008100	7138937	0.55	1090	1191	5.238	189	40	40	200	4	31	18	370	296	36	56.0	24.0	7.0	Pass	2T	3T	1H	50	51	0.15
4	151647008210	7138937	0.55	1090	780	3.436	195	40	40	200	4	31	18	376	300	38	60.0	24.0	7.0	Pass	3T	3T	1H	50	51	0.11
5	151647008220	7138937	0.55	1090	811	3.573	195	40	40	200	4	31	18	376	300	38	60.0	24.0	7.0	Pass	3T	3T	1H	50	51	0.11
6	151647008300	7138937	0.55	1090	1155	5.087	189	40	40	200	4	31	18	374	298	38	56.0	24.0	7.0	Pass	3T	3T	1H	50	50	0.16
Total Weight						24.526																				

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Certificate #: QC_32090957_12010224_001.X



منتجات سعودية نوعية من لفائف وصفيحة الحديد المطبقة
Saudi Quality Coated Steel, Coils & Sheets

Issue : 02 / Rev: 00

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شركة مشتركة بين مجموعتي الراشد والزامل

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