Film Hardness Test Report

项目名称 Project Name	SIDEM Ras Laffan C IWPP Project
测试日期 Test Date	2009-10-29
测试地点 Test Location	Ras Laffan C IWPP Project Site in Qatar

测试方法/标准 Test Method / Standard	ASTM D3363 Standard Test Method for Film Hardness by Pencil test
测试仪器型号 Equipment Used	Sheen-720N Pencil (6H to 6B), Made by DERWENT GRAPHIC
测试构件 Test structure	See the Test list

涂料系统 Coating System		干膜厚度 D.F.T（μm）
1	Barrier 77	60
2	Penguard Express MIO Grey	140
3	Hardtop XP	40
4		

测试部位 Test Areas		实测结果 Results	备注 Remarks
1	U6-R142	HB	DFT 234μm
2	U6-R144	2B	DFT 231μm
3	U6-R145 (1)	HB	DFT 236μm
4	U6-R145 (2)	B	DFT 290μm
5	U6-R145 (3)	B	DFT 415μm
6	U6-R145 (4)	B	DFT 352μm
7	U6-R145 (5)	HB	DFT 330μm
8	U6-R145 (6)	B	DFT 359μm
9	U6-R146	B	DFT 331μm

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10	U6-R147	B	DFT 237μm
11	4TH-T47	B	DFT 243μm

备注 Remark：

1. The test is carried out on field site of Project, Ras Laffan.
2. Test Condition: Air temperature: 32 Celsius Degree, Relative Humidity:46 %, Substrate temperature: 34 Celsius Degree.
3. The Test areas are carried out on the remaining 11 pieces steel.

参加者 Attendees		日 期 Date
建造方代表 Builder's Rep	Mr. Yu Mingda, Mr.Alan Ye, Mr.Hu Minghong	
油漆公司代表 Jotun Rep	Mr.Jia Qiao Zhi	
监理代表 Supervisor		
业主代表 Owner's Rep	Mr. P.Shanmugavelu	

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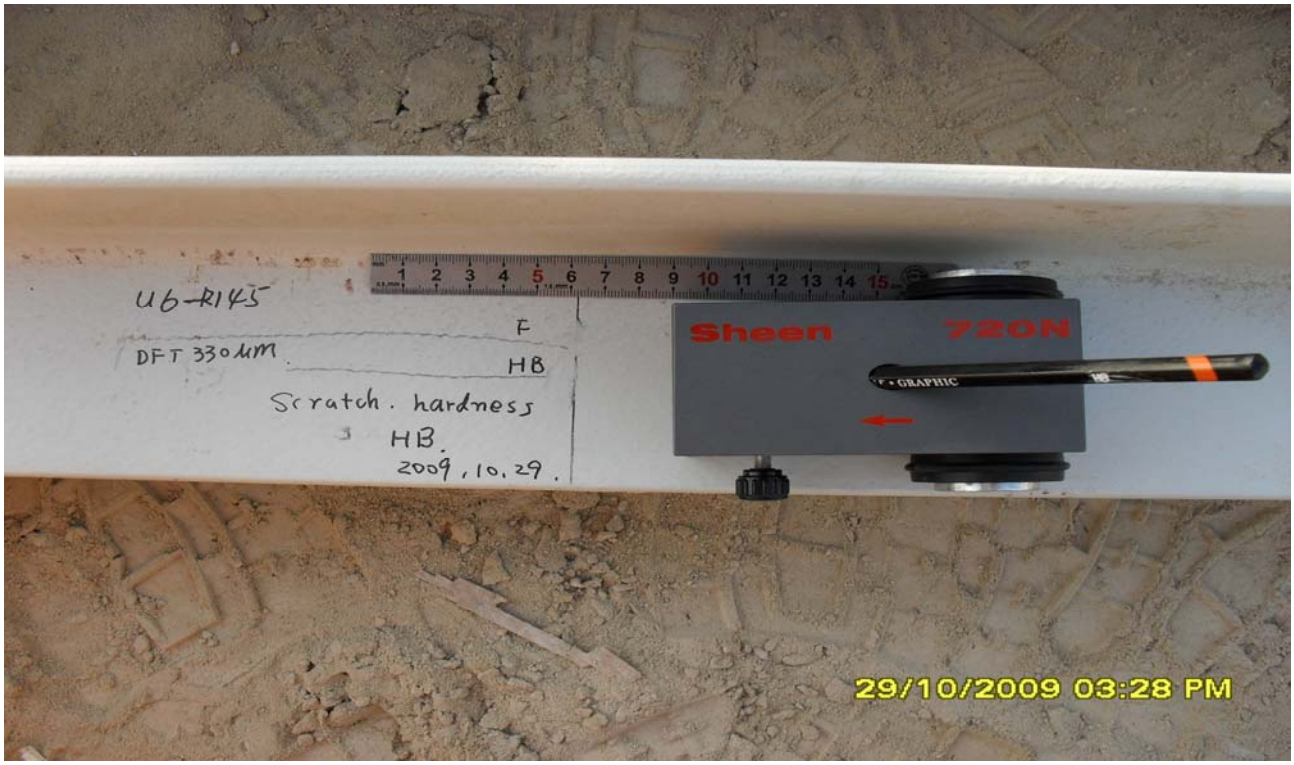

U6-R145.
DFT
236 µm.
Scratch hardness
HB
Sheen
29/10/2009 10:58 AM


U6-R145
DFT 290 µm
Scratch hardness
B
2009.10.29
Sheen
720N
29/10/2009 11:26 AM


U6-R145
DFT 415 um
F
HB
Scratch hardness
B
B
2009. 10. 29
Sheen
720N
29/10/2009 11:34 AM


U6-R145
DFT 352 um
HB
F
B
Scratch hardness
B
2009.10.29
Sheen
720N
29/10/2009 03:22 PM

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U6—R146.
DFT 331 um.
F
HB
B
Scratch. hardness. B.
2009. 10. 28
Sheen
29/10/2009 03:42 PM


U6 — 12147
DFT 237 um.
2009. 10. 29.
scratch hardness
B
29/10/2009 11:07 AM

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