



# CERTIFIED MATERIAL REPORT

CMR No. : IJ1011331316

Customer		FINLEX UK LTD.											
Trade Name		S-309L.16				Purchaser's Order No.		-					
Size		4.0 mm * 350 mm				Applicable Specification		AWS A5.4 E309L-16 According to EN10204 3.1 : 2004					
Lot No.		79609				Date of Issue		2007/10/10					
Welding Current	AC	Shielding Gas	-			Post Weld Heat Treatment (°C × hr.)			AS WELDED				
Mechanical Properties		Tensile Test				Impact Test (CVN - Joule)							
		YS (N/mm <sup>2</sup> )		TS (N/mm <sup>2</sup> )		EL (%)		Temp.(°C)		X1	X2	X3	Avg.
		-		572		43.6							
Spec.		-		≥517		≥30							
Chemical Composition (%) ( DEPO. )		C	Si	Mn	P	S	Cu	Ni	Cr	Mo			
		0.02	0.60	0.67	0.025	0.013	0.10	12.70	23.63	0.13			
Spec.		≤0.04	≤1.00	0.5 ~2.5	≤0.04	≤0.03	≤0.75	12.0 ~14.0	22.0 ~25.0	≤0.75			
<p>Others</p> <p style="text-align: center;">*CONTRACT NO.:HWC-10014 15.4MT</p>													
<p>We hereby certifies that the material covered by this report has been inspected in accordance with and been found to meet the applicable requirements of specification and customer's requirements.</p> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;">  </div> <div style="text-align: right;"> <p>Approved by</p>  <p>QA Manager Kim, S. H</p> </div> </div>													



## HYUNDAI WELDING CO., LTD.

Head Office  
Pohang Plant

157-37, Samsung-dong, Gangnam-gu, Seoul, Republic of Korea  
90-5, Jangheung-dong, Nam-gu, Pohang-si, Republic of Korea