


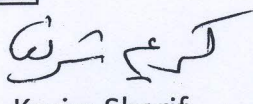
Kingdom of Bahrain		
Electricity & Water Authority		
Electricity & Water Conservation Directorate		

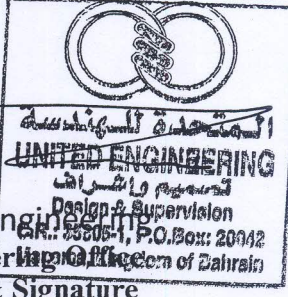
• *Thermal Transmittance (U-Value) for external Walls with Blocks (Typical Floors)*

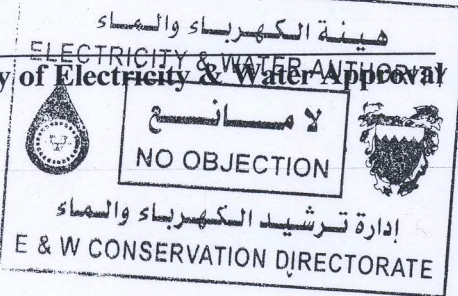
Sr. No.	Description of materials used	Density kg/m ³	Thickness (l) m	r m.k w	R m ² .k w	Notes
1-	Ri				0.1210	
2-	Interior Plaster		0.020	0.570	0.0350	
3-	Concrete Hollow Block		0.200	1.173	0.1710	
4-	PALADIN THERM Adhesive		0.004	0.700	0.0060	
5-	EPS Insulation Board		0.050	0.038	1.3160	
6-	PALADIN THERM Base Coat		0.004	0.570	0.0070	
7-	PALADIN Reinforcing Mesh SD4420					
8-	PALADIN External Finishing		0.004	0.570	0.0070	
9-	Ro				0.0590	
10-						
11-						
12-						
13-						
Total thermal resistance for materials used in Wall (R_T):					1.7200	

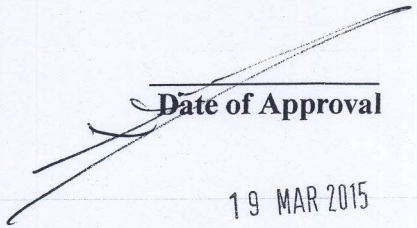
U-Value = 0.580 W/m.² °C


Jalil Al Sairafi
 Client's Name & Signature


Karim Sharif
 In charge Engineer Name & Signature


United Engineering
 Design & Supervision
 Engineering Office
 Stamp & Signature


Ministry of Electricity & Water Authority
 لا مانع
 NO OBJECTION
 إدارة ترشييد الكهرباء والماء
 E & W CONSERVATION DIRECTORATE


Date of Approval
 19 MAR 2015

