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June 29, 2011

Mr Triki  
P.O. Box 31491 Light Industrial Area, Yanbu Al Sinaiyah, Saudi Arabia

**Subject: Physical testing on Gypsum Board - Project AU10124020**

Dear Mr Triki,

Intertek has conducted physical testing for UNITED MINING INDUSTRIES on Gypsum Board samples. Testing was conducted in accordance with ASTM C1396-09a, Section 4.5 and ASTM C473-10, Section 12, 13, 14. This evaluation began on December 15, 2010 and was completed on January 4, 2011. Samples were submitted to Intertek directly from the client. Samples were not independently selected for testing. Samples were received at the Evaluation Center on December 14, 2010.

**RESULTS AND OBSERVATIONS**

Method	Characteristic	Result	
		Regular GB 2400x1200x12.5 Tapered	Regular GB 2400x1200x15 Tapered
ASTM C473 (Method B)	Core Hardness (lbf)	32	40
	End Hardness (lbf)	35	41
	Edge Hardness (lbf)	36	40
ASTM C473 (Method B)	Nail Pull Resistance (lbf)	85	99
ASTM C473	Humidified Deflection (mm)	2.5	1.0

Method	Characteristic	Result	
		Fire Res GB 2400x1200x12.5 Tapered	Fire Res GB 2400x1200x15 Tapered
ASTM C473 (Method B)	Core Hardness (lbf)	61	61
	End Hardness (lbf)	57	63
	Edge Hardness (lbf)	59	59
ASTM C473 (Method B)	Nail Pull Resistance (lbf)	123	141
ASTM C473	Humidified Deflection (mm)	1.5	1.5

Method	Characteristic	Result	
		Moisture Res GB 2400x1200x12.5 Tapered	Fire & Moisture Res GB 2400x1200x12.5 Tapered
ASTM C473 (Method B)	Core Hardness (lbf)	52	53
	End Hardness (lbf)	50	52
	Edge Hardness (lbf)	54	54
ASTM C473 (Method B)	Nail Pull Resistance (lbf)	103	104
ASTM C473	Humidified Deflection (mm)	1.0	1.0

Kind Regards,

Sun Sun  
Technical Leader  
Intertek Building Products

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