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Attention: Mr Geoff Redman

AMDEL TEST REPORT: 09MAAD4061
(For the full report see Amdel Report(s) 08MAAD24532 Pt 1 – Pt 2 and 08MAAD25299 Pt 1 – Pt 3

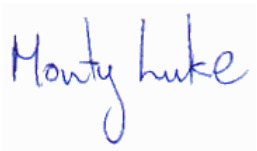
ISSUE DATE: 05/02/09

CLIENT REFERENCE: Request G.Redman

WORK REQUESTED:

TEST	TEST METHOD
Tensile and Elongation	ASTM D638
Flexural Strength	ASTM D790 (Procedure A)
Modulus of Elasticity	ASTM D790 (Procedure A)
Specific Gravity	ASTM D792 (Method A)
Water Absorption	ASTM D570
Hardness (Shore A)	ASTM D2240

INVESTIGATING OFFICER(S): Adrian Fahey / Dylan Randall



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RESULTS

TEST: Flexural Strength
TEST METHOD: ASTM D638
SPECIMEN TYPE: Type 3
SEPARATION RATE: 50mm/min

Specimen Identification	Ultimate Tensile Strength (MPa)	Elongation at Break (%)
Vine + Oyster 75mm	**9.1**	**2.7**
Round 50mm	**6.3**	**3.2**
Building 200x40mm	**13.1**	**6.7**
Building 110x65mm	**14.7**	**5.3**
Bollard 125mm	**14.3**	**2.5**
Pallet 70x50mm	**15.5**	**4.6**
Pallet 75x35mm	**11.9**	**5.8**
Decking 100x25mm	**15.8**	**5.8**
Hollow 125mm	**9.5**	**2.9**
70x25mm	**11.1**	**4.9**

TEST: Flexural Strength and Modulus of Elasticity
TEST METHOD: ASTM D790 (procedure a)
SPECIMEN DIMENSIONS: Length 50.8mm / Width 12.7mm

Specimen Identification	Flexural Strength (MPa)	Modulus of Elasticity (MPa)
Vine + Oyster 75mm	**19.3**	**609**
Round 50mm	**15.1**	**420**
Building 200x40mm	**19.3**	**526**
Building 110x65mm	**19.1**	**559**
Bollard 125mm	**25.2**	**934**
Pallet 70x50mm	**19.7**	**829**
Pallet 75x35mm	**16.6**	**491**
Decking 100x25mm	**18.7**	**537**
Hollow 125mm	**15.8**	**482**
70x25mm	**19.7**	**511**

RESULTS

TEST: Specific Gravity
TEST METHOD: ASTM D792 (Method A)

Specimen Identification	Specific Gravity (23℃/23℃)	Density at 23℃	
		g/cm^3	kg/m^3
Vine + Oyster 75mm	**0.7586**	0.757	756.7
Building 200x40mm	**0.9441**	0.942	941.7
Decking 100x25mm	**0.9859**	0.983	983.4
Hollow 125mm	**0.9772**	0.975	974.8

TEST: Water Absorption
TEST METHOD: ASTM D570:1998 (2005) - 24 hour immersion

Specimen Identification	Specific Gravity (23℃/23℃)
Vine + Oyster 75mm	**1.7**
Building 200x40mm	**0.3**
Decking 100x25mm	**0.3**
Hollow 125mm	**0.7**

TEST: Hardness (Shore A)
TEST METHOD: ASTM D2240

Specimen Identification	Average Hardness (Shore A Units)
Vine + Oyster 75mm	**58**
Building 200x40mm	**55**
Decking 100x25mm	**62**
Hollow 125mm	**62**