



K&H Geotechnical Services Pty Ltd
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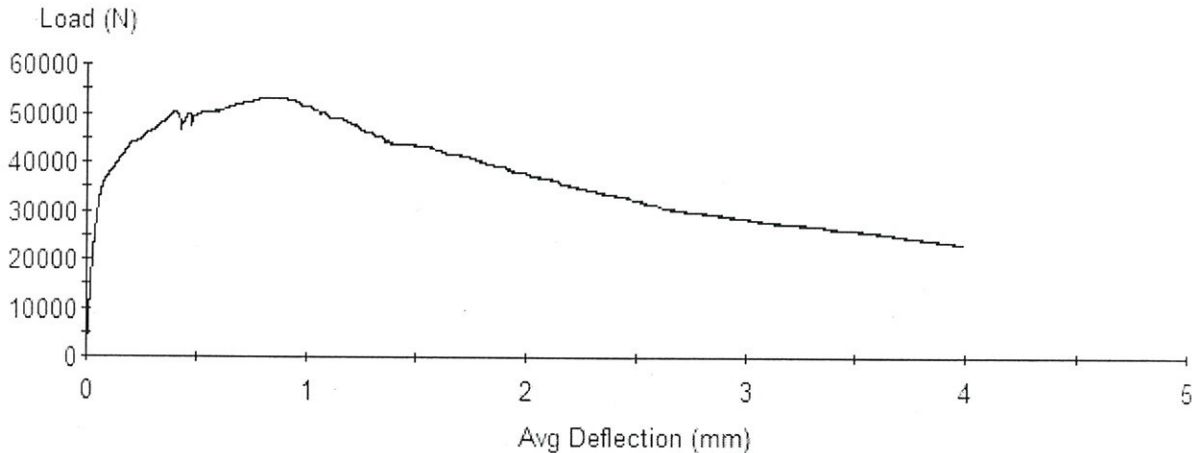
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Test Certificate for ASTM C 1609/C 1609M - 07

Client: Reoco Performance Fibres
 Project: Material Evaluation - Reoco 65/35 @ 40kg
 Client Sample No.: T 2279 - H

Report No.: C10/2670
 Test Date: 03/08/2010
 Age at Test: 28 Days
 Type of Specimen: Cast



Dimensional Data (All dimensions in mm)

	Depth	Width	Crack Offset	Fibres	Span
Value 1	151.0	150.0	0	151	450.0 mm
Value 2	150.0	150.0	0	151	
Value 3	150.0	150.0			
Mean	150.33	150.00	0	151	Section Modulus 563750 mm ³

Flexural Load, Strength and Deflection at Cracking and in Post-crack Range

The following are reported in accordance with ASTM C 1609/C 1609M

First Peak Load: 50343 N	Modulus of Rupture: 6.70 MPa	
Peak Load: 53172 N	Residual Flexural Strength: 7.07 MPa	at 0.834 mm central deflection.
Load at L/600: 52403 N	Residual Flexural Strength: 6.97 MPa	at 0.750 mm central deflection.
Load at L/150: 28424 N	Residual Flexural Strength: 3.78 MPa	at 3.000 mm central deflection.

The following is reported in addition to the requirements of ASTM C 1609/C 1609M

Load at L/300: 43430 N	Residual Flexural Strength: 5.78 MPa	at 1.500 mm central deflection.
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Energy Absorption and Equivalent (Post-crack) Residual Strengths

L/600	L/450	L/150	L/112.5
T(0.75) = 33.713 J 5.97 MPa	T(1.0) = 46.854 J 6.22 MPa	T(3.0) = 123.116 J 5.45 MPa	T(4.0) = 148.996 J 4.94 MPa

Pre-Test Remarks:

Specimen was not sampled by this laboratory.

Condition of Failed Specimen

Concrete matrix was dense with few visible voids

Approved Signatory:

F.J. Kennedy



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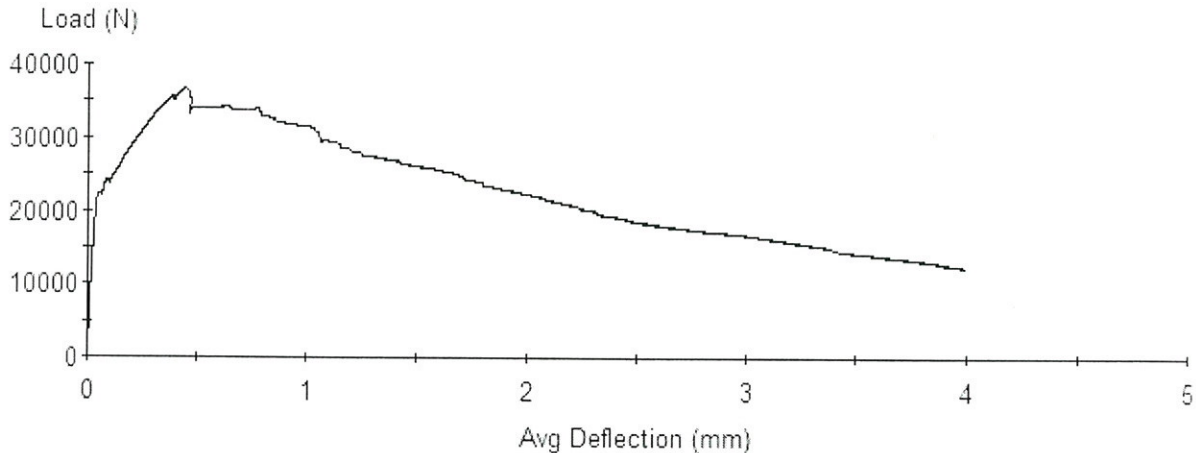
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Test Certificate for ASTM C 1609/C 1609M - 07

Client: Reoco Performance Fibres
 Project: Material Evaluation - Reoco 65/35 @ 40kg
 Client Sample No.: T2279 - G

Report No.: C10/2670
 Test Date: 03/08/2010
 Age at Test: 28 Days
 Type of Specimen: Cast



Dimensional Data (All dimensions in mm)

	Depth	Width	Crack Offset	Fibres	Span
Value 1	150.0	150.0	0	0	450.0 mm
Value 2	150.0	150.0	5	0	
Value 3	150.0	150.0			
Mean	150.00	150.00	2	0	Section Modulus 562500 mm ³

Flexural Load, Strength and Deflection at Cracking and in Post-crack Range

The following are reported in accordance with ASTM C 1609/C 1609M

First Peak Load: 36867 N	Modulus of Rupture: 4.92 MPa	
Peak Load: 36867 N	Residual Flexural Strength: 4.92 MPa	at 0.449 mm central deflection.
Load at L/600: 33701 N	Residual Flexural Strength: 4.49 MPa	at 0.750 mm central deflection.
Load at L/150: 16747 N	Residual Flexural Strength: 2.23 MPa	at 3.000 mm central deflection.

The following is reported in addition to the requirements of ASTM C 1609/C 1609M

Load at L/300: 26094 N	Residual Flexural Strength: 3.48 MPa	at 1.500 mm central deflection.
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Energy Absorption and Equivalent (Post-crack) Residual Strengths

L/600	L/450	L/150	L/112.5
T(0.75) = 23.116 J 4.11 MPa	T(1.0) = 31.216 J 4.16 MPa	T(3.0) = 76.356 J 3.39 MPa	T(4.0) = 90.788 J 3.03 MPa

Pre-Test Remarks:
 Specimen was not sampled by this laboratory.

Condition of Failed Specimen
 Concrete matrix was dense with few visible voids

Approved Signatory:
 F.J. Kennedy



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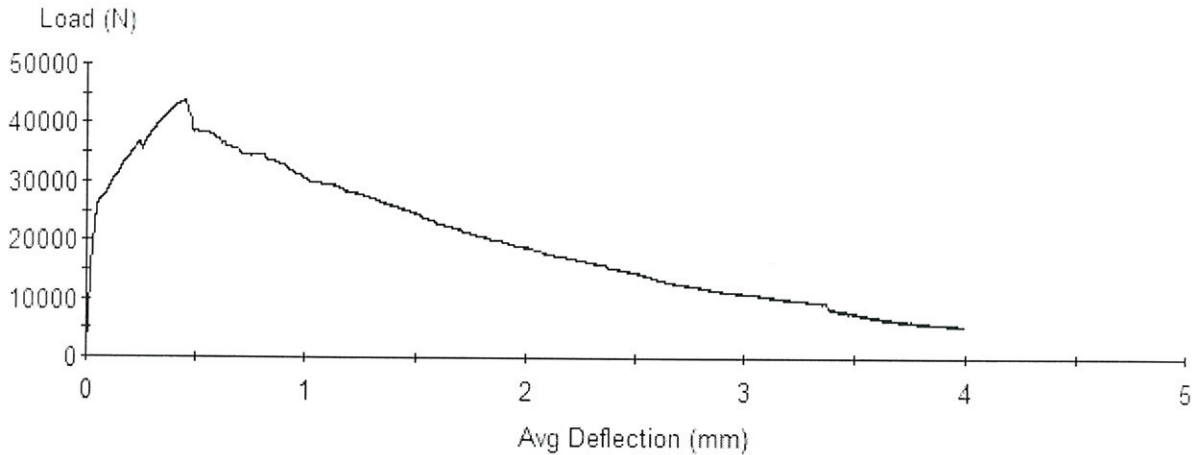
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Test Certificate for ASTM C 1609/C 1609M - 07

Client: Reoco Performance Fibres
Project: Material Evaluation - Reoco 65/35 @ 40kg
Client Sample No.: T 2279 - I

Report No.: C10/2670
Test Date: 03/08/2010
Age at Test: 28 Days
Type of Specimen: Cast



Dimensional Data (All dimensions in mm)

	Depth	Width	Crack Offset	Fibres	Span
Value 1	151.0	150.0	35	0	450.0 mm
Value 2	151.0	150.0	35	0	
Value 3	151.0	150.0			
Mean	151.00	150.00	35	0	Section Modulus 566250 mm ³

Flexural Load, Strength and Deflection at Cracking and in Post-crack Range

The following are reported in accordance with ASTM C 1609/C 1609M

First Peak Load: 43868 N	Modulus of Rupture: 5.81 MPa	
Peak Load: 43868 N	Residual Flexural Strength: 5.81 MPa	at 0.452 mm central deflection.
Load at L/600: 34565 N	Residual Flexural Strength: 4.58 MPa	at 0.750 mm central deflection.
Load at L/150: 10933 N	Residual Flexural Strength: 1.45 MPa	at 3.000 mm central deflection.

The following is reported in addition to the requirements of ASTM C 1609/C 1609M

Load at L/300: 24602 N	Residual Flexural Strength: 3.26 MPa	at 1.500 mm central deflection.
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Energy Absorption and Equivalent (Post-crack) Residual Strengths

L/600	L/450	L/150	L/112.5
T(0.75) = 26.524 J 4.65 MPa	T(1.0) = 34.787 J 4.58 MPa	T(3.0) = 73.878 J 3.24 MPa	T(4.0) = 81.839 J 2.69 MPa

Pre-Test Remarks:

Specimen was not sampled by this laboratory.

Condition of Failed Specimen

Concrete matrix was dense with few visible voids

Approved Signatory:

F.J. Kennedy

 3/8/10