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Date:	29th March 2021
Lab Ref:	62951
Order Ref:	CML 280
Originator:	Nick Collier
Site:	N/A Natchem 35.
Samples:	2 x 25kg bags of Natchem material were delivered, by the client, to Kiwa CMT on the 18th February 2021.
Requirements:	To mix the material at a water solids ratio of 0.144 (14.4%) and produce 2 sets of prisms to be tested at 7 and 28 days respectively for Density, Flexural Strength and Compressive strength in accordance with BSEN1015-11. Hardened samples were then analysed for Chloride content in accordance with EN1015-17.
Results:	Detailed test results and information are appended.

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G. Peach AMICT
Department Manager
Building Products

Results:

Density, Flexural Strength and Compressive Strength (7 days after casting)

Ref	Cast Date	Test Date	Density (Kg/m³)	Flexural Strength (N/mm²)	Compressive Strength (N/mm²)	Compressive Strength (N/mm²)
Natchem 35 (7d)	01/03/21	08/03/21	2245	6.59	44.9	45.6
Natchem 35 (7d)	01/03/21	08/03/21	2245	5.51	41.4	42.6
Natchem 35 (7d)	01/03/21	08/03/21	2244	5.51	49.1	45.4
		Av	2245	5.87	Av	44.8

Density, Flexural Strength and Compressive Strength (28 days after casting)

Ref	Cast Date	Test Date	Density (Kg/m³)	Flexural Strength (N/mm²)	Compressive Strength (N/mm²)	Compressive Strength (N/mm²)
Natchem 35 (28d)	01/03/21	29/03/21	2225	7.52	55.0	57.3
Natchem 35 (28d)	01/03/21	29/03/21	2228	7.42	56.3	56.2
Natchem 35 (28d)	01/03/21	29/03/21	2229	7.42	55.8	58.1
		Av	2230	7.45	Av	56.4

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