



traditional & ecological building materials – caring for the future, respecting the past
deunyddiau adeiladu traddodiadol ac ecolegol – gofalu am y dyfodol, gan barchu'r gorffennol

Own Testing Facility

28 day strengths of Fibrelime blocks were tested using ELE apparatus to test flexural strength

	Flexual 1	Flexual 2	Flexual 3	Average
Max Load	4.92	4.26	4.47	4.55
Stress	3.075	2.664	2.796	2.845
Pace	0.4	0.4	0.4	0.4
Density	0.45	0.45	0.45	0.45

	Compressive 1	Compressive 2	Compressive 3	Compressive 4	Compressive 5	Compressive 6	Average
Max Load	4.17	2.23	3.25	3.16	3.04	3.11	3.16
Stress	2.606	1.393	2.034	1.973	1.903	1.946	1.976
Pace	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Density	0.45	0.45	0.45	0.45	0.45	0.45	0.45

28 day strengths of Fibrelime blocks were tested using ELE apparatus to test compressive strength

*Note

Due to the fibre content results were taken from the lower machine 'stop' reaction rather than the later snap or squash action of a higher reading.

WVP Results

The water vapour permeability of a hardened plaster produced with Fibrelime was determined following a procedure based on BS EN 1015-19:1999. The calculated value is **1.44E-11 kg·m-1·s-1·Pa-1**, the μ for Fibrelime is 13.5. Sd value = 0.16

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