

Patronatstr. 9-13  
71282 Hemmingen

**Test certificate compressive and tensile strength**

**EN 196-1**

Order Number: 482053191\_5

Screed Company: William Lea Ltd  
 Technical adviser: Michael Lea  
 Construction project: The Pirbright Institute  
 aggregate Supplier : Hanson Aggregates 75% fines/25% coarse ( 0-4mm + some 6mm stone)  
 Cement: CEM II/A-L 42,5 N  
 Cement Type: Quinns  
 Cement quantity (kg): 62,5  
 Water quantity (l): 12 to 14  
 Additive: Xtreme  
 Additive (ml): 400  
 Strength of screed req: Not Specified  
 Date of Prism Sample: 08.09.2020  
 Age of the sample: 80d  
 Notes: Screed mixed in a forced action Screed pump of 250 l gross capacity.

Term	Height	Wide	Length	Tensile Strength		Compressive Strength			
	(mm)	(mm)	(mm)	(kN)	(N/mm <sup>2</sup> )	(kN)	(kN)	(N/mm <sup>2</sup> )	(N/mm <sup>2</sup> )
1	40	40	160	4,3	10,1	96,5	102,4	60,3	64,0
2	40	40	160	4,1	9,6	80,1	94,2	50,1	58,9
3	40	40	160	4,2	9,8	88,7	97,2	55,4	60,8
average value				9,8		58,2			
standard deviation				0,2		4,9			
effective span 100,00 mm	nature of load: axial pressure			potentiometric surface: 1600 mm <sup>2</sup>					

place of testing exercised: Hemmingen, 27.11.2020

authorised Person:

3819473	3819474
D.K.	
17246-01-02	
2019-11	