

Test results of concrete samples with reinforced basalt fiber in test lab "Lihntner Beton Ukraina"

№	Concrete class (brand)	Cement, quantity kg/m3	Not-reinforced		Metal fiber 20 kg/m3		Basalt fiber 4,5kg/m3		Note
			Strength of compression MPa	Tensile strength in bending MPa	Strength of compression MPa	Tensile strength in bending MPa	Strength of compression MPa	Tensile strength in bending MPa	
1	Concrete mix БСГТ В25Р4 (М300)	ПЦП/АШ- 400Н	31,2	1,67	32,7	3,2	33,8	4,3	1. Tests were carried out over a 28 day period including sample preparation
		380							
2	Concrete mix БСГТ В30Р4 (М400)	ПЦП/АШ- 400Н	40,9	1,93	42,1	4,1	43,8	5,2	2. Results reflect average values
		430							

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