

Table 1. Tests with blast furnace slag performed by Appleby Group, UK for concrete with cement content 350 kg/m³ and water to binder ratio 0.54.

Type of mixture	Slag content, %	Compressive strength, MPa for curing time, days		
		3	7	28
OPC	0	30.2	36.1	56.1
OPC+slag	50	19.0	28.0	54.0
EMC with slag*	50	29.0	37.1	60.9
EMC with slag**	75	19.9	33.9	50.9

*) Composition contained 50% OPC and 50% of blast furnace slag

**) Composition contained 25% OPC and 75% of blast furnace slag

Table 2. Tests with blast furnace slag performed by SINTEF, Norway for concrete with cement content 370 kg/m³ and water to binder ratio 0.45.

Type of mixture	Slag content, %	Compressive strength, MPa for curing time, days		
		1	7	28
OPC	0	29.2	49.2	59.6
EMC with slag*	30	32.7	52.8	68.2
EMC with slag**	70	14.4	55.1	72.5

*) Composition contained 70% OPC and 30% of blast furnace slag

**) Composition contained 30% OPC and 70% of blast furnace slag

Table 3. Tests with blast furnace slag performed by SINTEF, Norway for concrete with cement content 275 kg/m³ and water to binder ratio 0.60.

Type of mixture	Slag content, %	Compressive strength, MPa for curing time, days		
		1	7	28
OPC	0	17.3	35.5	42.9
EMC with slag*	30	20.9	38.3	49.8
EMC with slag**	70	8.2	39.2	58.8

*) Composition contained 70% OPC and 30% of blast furnace slag

**) Composition contained 30% OPC and 70% of blast furnace slag