



## CERTIFICATE OF ANALYSIS TS EN 197-1 CEM II/B-M (P-L) 42,5 N PORTLAND COMPOSE CEMENT

The name and the international standart of the sample: TS EN 197-1 CEM II /B-M (P-L) 42,5 N  
 Date of Production: 15.10.2010  
 Methods of Testing Cement: EN 196-1 , 196-2 , 196-3

TECHNICAL DATA SHEET

CHEMICAL ANALYSIS	VALUES OF ANALYSIS (%)	LIMIT VALUES ACCORDING TO TS EN 197-1 AND CE
SiO <sub>2</sub>	29,5	
Al <sub>2</sub> O <sub>3</sub>	8,46	
Fe <sub>2</sub> O <sub>3</sub>	3,71	
CaO	46,51	
MgO	1,39	
SO <sub>3</sub>	2,27	≤ % 3,5
Na <sub>2</sub> O	1,46	
K <sub>2</sub> O	1,72	
Cl <sup>-</sup>	0,0142	≤ % 0,10
LOI	5,20	
Free lime	0,37	
Gypsum	3,63	
Total additive	34,03	≤ % 35

PHYSICAL ANALYSIS	VALUES OF ANALYSIS	LIMIT VALUES ACCORDING TO TS EN 197-1 AND CE
Setting time initial (minutes)	170	≥ 60
Setting time final (minutes)	270	
Soudness (mm)	1,0	≤ 10
Specific surface area Blaine (cm <sup>2</sup> /g)	4648	
Comp.strength (N/mm <sup>2</sup> ) 2 days	16,5	≥ 10
Comp.strength (N/mm <sup>2</sup> ) 7 days	30,5	
Comp.strength (N/mm <sup>2</sup> ) 28 days	44,3	≥ 42,5 ; ≤ 62,5

CEM II/B-M (P-L) 42,5 N cement comply with TS EN 197-1 standart



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