

CEMAX 691



constructive solutions

Improves the compressive strength of Ordinary Portland Cement and Portland Blended Cement

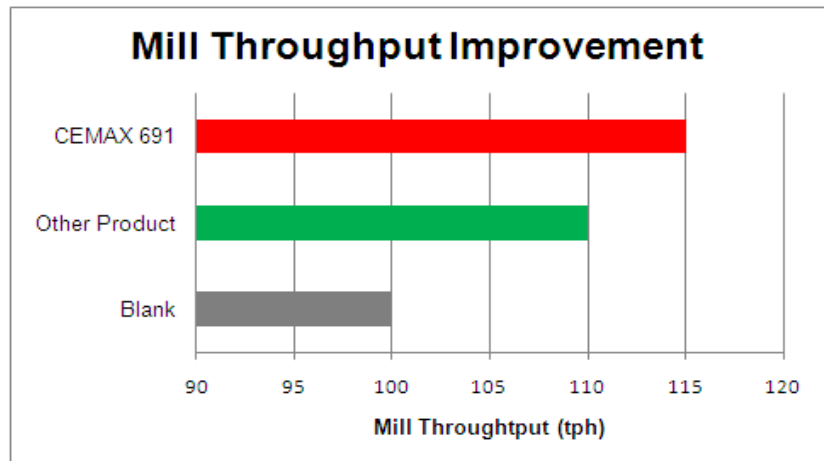
CEMAX 691 is the latest generation of performance enhancers that is specially formulated to improve both early and late strength of cement. This performance allows cement plants to reduce clinker content in cement without sacrificing the quality of finished cement. CEMAX 691 offers an improvement of early strength as high as 15% and late strength as high 20%. Its effectiveness is significant when it is used in limestone blended cement.

Application	CEMAX 691 Effects On Portland Composite Cement			
Additives	Unit	Control	Product X	CEMAX 691
Cement Content				
Clinker	%	80	80	80
Gypsum	%	5	5	5
Limestone	%	5	5	5
PFA	%	10	10	10
CGA Dosage	%	None	0.1	0.1
Surface Area	cm ² /g	4000	4000	4000
Residue - 45 micron	%	5.9	5.9	5.9
Compressive Strength				
1 day	N/mm ²	10.50	11.17	12.52
3 days	N/mm ²	21.87	21.60	24.57
7 days	N/mm ²	28.80	29.22	32.30
28 days	N/mm ²	38.68	40.43	47.56



Improves cement mill throughput better than other products in its range

The active components in CEMAX 691 formulation help cement plants to achieve higher mill throughput that is very critical in achieving lower electricity consumption at cement production mill. With lower power cost in producing a ton of cement and more cement tonnage to meet the market cement demand, cement plant can enjoy better overall economic performance in the long run. CEMAX 691 can increase the grinding mill throughput as high as 15%, 5% higher than average performance of other grinding aids.



Reduces setting time

CEMAX 691 contains a setting time accelerator that can reduce the setting time up to 30 minutes. This will allow cement plants to achieve higher clinker replacement with fillers such as PFA, pozzolan and slag.



Plants references

CEMAX 691 has been used and tested at the following cement plants:

1. Cement Industries of Malaysia (CIMA), Perlis - Malaysia
2. Republic Cement, Batangas – Philippines
3. Lafarge Malayan Cement, Langkawi – Malaysia
4. Holcim Vietnam – Vietnam

Specially formulated CEMAX 691 can also be produced to meet specific requirements of cement plants.



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