

Re: Scientist Says Concrete Was Used in Pyramids

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- *From:* firstname@xxxxxxxxxxxxx (Florian)
 - *Date:* Thu, 14 Dec 2006 16:33:40 +0100
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Florian <firstname@xxxxxxxxxxxxx> wrote:

Kendall K. Down <webmaster@xxxxxxxxxxxxxxxxxxxxx> wrote:

Exactly. Now there are over a million blocks of stone in the Great Pyramid: if we assume that the pyramid workers waited four hours between blocks, but worked 24x7x52, then we are looking at 456 years to build the pyramid. Someone with more mathematical expertise than I have can tackle the task of working out a more realistic time, considering that work could proceed from multiple centres, but no shuttering can be introduced between blocks (there isn't room), but I'm confident that it would still come out to considerably longer than the reign of Khufu.

Certainly not, especially when you consider that most of the pyramid is built with carved stones.

I found complementary informations about the limit of block casting. Davidovits report that he can't pour blocks with a dimension much longer than 1.5 m, otherwise cracks appear with time.

That would explain why the reconstituted stone was casted in blocks and not in large area.

It is necessary to use additives (yet unknown) to prevent big blocks from cracking, much like additives are used in Portland cement.

As some of the putative casted stones are bigger than 1.5 m, he speculates that they actually found the kind of additive that would do the trick.

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Florian

"Tout est au mieux dans le meilleur des mondes possibles"
Voltaire vs Leibniz

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