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To many peoples surprise magnesia cements and the use of them in building and construction is

“NOT NEW AT ALL”

In the 21st Century we would be led to believe by industry experts, universities and academics alike that there is a new phenomenon breaking into global markets that will revolutionise building and construction as we know it.

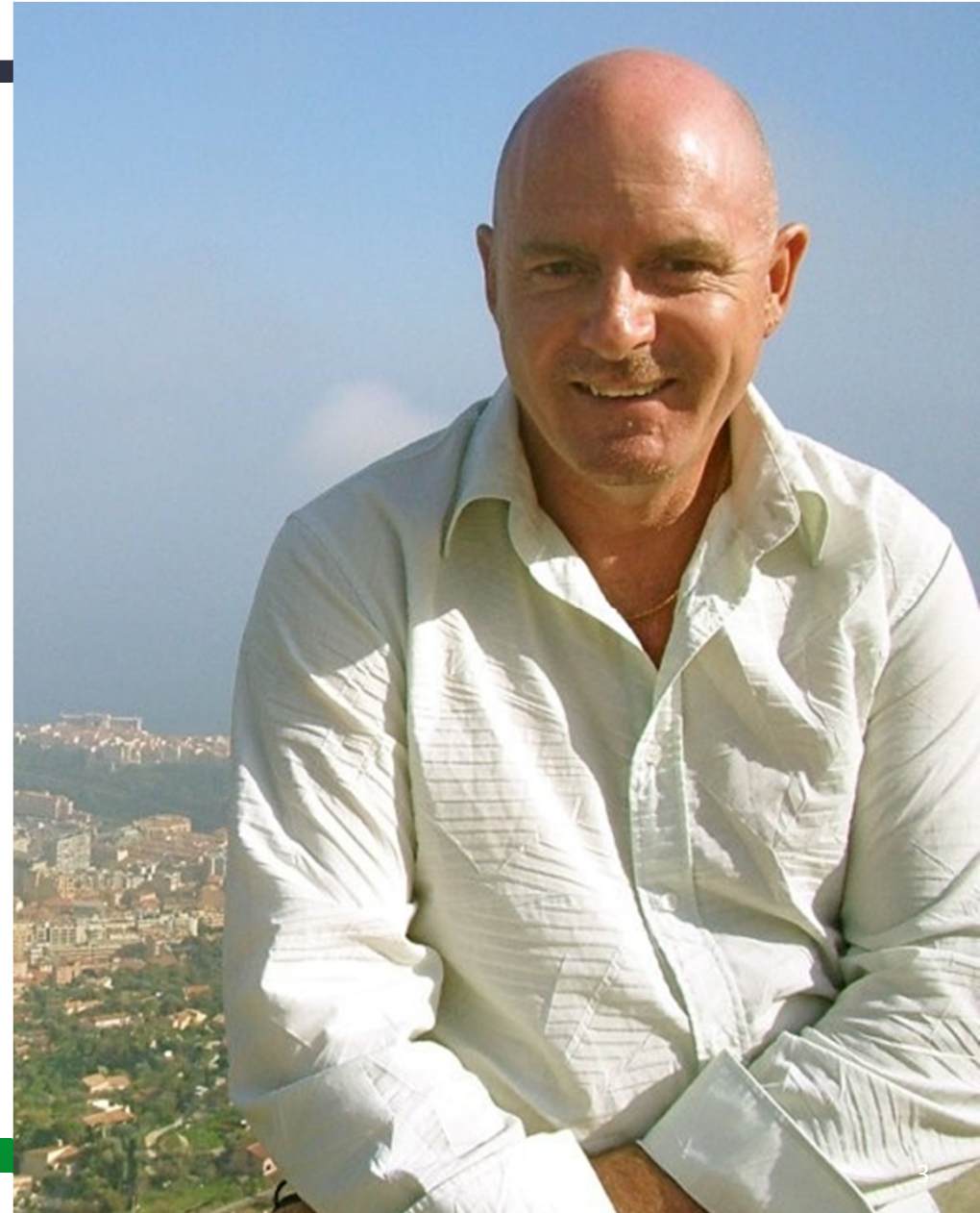
These industry experts also are making rash statements that are causing nothing but confusion within the construction industry such as:

It is new technology

It needs more evaluation

Don't go near it

It has no proof of performance



Well !!!! what the industries “laboratory” academic experts are saying could not be more further from realitythan may be that of our politicians..... (but that is another topic)

This unknown innovative material is **Magnesia Cement**

Or is better known today as MgO / MgO Board, all of which regardless of its 21st Century Name has over 800 Years of documented history of successful use in building and construction.



SO HOW CAN THIS BE NEW ? – HOW CAN THERE BE NO PROOF OF PERFORMANCE ?

blends of magnesia cements have been used extensively throughout ancient times in Germany, France, Italy, Mexico, Latin America, Switzerland, India, China and New Zealand, among other countries.

History shows that Ancient European artisans used timber framing filled with magnesium oxide cement to construct homes.

Sometimes the magnesia cement had straw combined within the mixture to allow them to gain better all year round thermal performances from the heat and cold as well as to add bulk to the infill mixture.....

Also many of the Stupas including THE GREAT STUPA in Sanchi India and The PANTHEON in Rome were all made with magnesium-based cements and are still standing today.

Believe it or not “there are still no gaps visible in these 800 - year - old walls and buildings that still remain standing and operable in 2020”





Early magnesium cements were made with soluble phosphate from animal faeces or fermented plants and magnesia and optionally clays.

"These natural magnesia mud cements bind naturally and exceptionally well to all cellulose materials (i.e. plant fibres, wood chip, etc.) and were often referred to as "living cements"

"This is in sharp contrast to the Portland cement of today, which repels cellulose"

The statement "**It Never Goes Out of Fashion**" can be applied to the on again off again evolution and status of magnesia cement (MgO) based products.

The global construction materials industry, historically is based on an extremely wide range of materials such as Drywall / Plasterboard / OSB / and Fibre Cement (FC), all of which came to fame in the later half of the 20th century as common use materials within the construction industry of which Portland cement (PC) has been the more dominant material.