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June 9, 2008
Mr. Azhar Khan
Building Codes and Standards
Department of Community Affairs
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100

Sent VIA: US Postal Service and Email; azhar.khan@dca.state.fl.us

DCA08-DEC-168
FILING AND ACKNOWLEDGEMENT
FILED, on this date, with the designated
Clerk, receipt of which is hereby
acknowledged.
Paula P. Ford 6/10/08
Commission Clerk Date

Dear Mr. Azhar Khan,

I am the inventor and patent holder of a construction process traded as "Omnicrete" by a Florida corporation incorporated under the name of *Omnicrete* Development, Inc. of which my wife and I own 100% of the stock of the corporation and I solely own the patent as filed under the United States Patent and Trademark Office.

By this correspondence I would like to petition for a declaratory statement that the Omnicrete system is exempt under Rule **9B-72.070** and subsequently approved pursuant to Rule **9B-72.090** and therefore exempt the process having to apply for a Florida Product Approval Code.

Omnicrete uses well established building components as part of the overall system, in that all major components are made from standard poured in place concrete formed by Autoclaved Aerated Concrete another standard product used in today's construction industry. In fact there is nothing used in the process that is NOT a standard product used today by conventional construction process; namely standard wood frame or CMU masonry?

Autoclaved Aerated Concrete, also commonly known as AAC, is standard concrete with an expansion agent added during manufacturing which produces millions of tiny air pockets causing the concrete to expand three times its size. After the product is baked in an autoclaved oven this "light weight" concrete product is commonly used in commercial and residential markets as a building method by itself. Omnicrete uses this AAC product as a "stay in place" form which later becomes an insulative, fire proof (one inch per hour) veneer to which plaster (or any other interior finish) is directly attached to the inside wall and stucco (or any other exterior finish) is attached directly on the outside wall. The monolithic center core of five and one half inches thick is poured with a 3,000 psi concrete pea gravel pump mix similar to conventional downpours of concrete block webs at the corners and around windows of conventional block systems. The Omnicrete process is much stronger than block, wood or tilt wall systems and serves many green building applications as a bonus.

Omnicrete is used to build the exterior walls of residential or commercial buildings. Interior wall partition are also constructed using a 4" AAC material and therefore all interior and exterior walls are made from 100% concrete. As stated above, this entire product concept is marketed as Omnicrete. Its patented name is "Solid Monolithic Concrete Insulated Wall System", US Patent number 6,532,710 B-2



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approved by the United States Patent and Trademark Office on March 18th 2003. It consists of a system similar to an ICF wall system except the polystyrene in the ICF system is replaced with Autoclaved Aerated Concrete (AAC) in the Omnicrete system. The exterior walls, consists three layers connected by anchor bolts and twisted stainless steel ties and the adhesion of the poured concrete to the AAC. The system eliminates drywall on the interior since plaster can be applied directly to the AAC and finished off similar to drywall. Also the need for metal or fiberglass lathe on the exterior wall is eliminated since the stucco material adheres so well to the AAC outside wall.

The system is complete fire proof since it is made of concrete based products. The soffit and fascia boards are made from hardie plank which is a concrete composite sold at most lumber yards like Lowe's and Home Depot. The Omnicrete system is also termite proof since termites do not eat concrete. The core has a visqueen vapor barrier and a 1/2" blueboard by Dow on the inside of the outside AAC forming wall. I've attached a drawing of what it looks like. As you are probably aware, AAC has been used extensively in Europe as a building product since the mid 1920's.

Here is some of the tests performed on Omnicrete or its components and some diagrams:

1. Dew point and R-Value Tests by Dow Chemical is attached or you may view, download or print Dow's report at <http://www.omnicrete.com/OMNICRETE%20R%20VALUE%20TEST.pdf>
2. Autoclaved Aerated Concrete Test reports on Thermal Analysis, Fire Resistance, Sound Transmission Loss, Impact, Structural tests, as well as many other test results may be found on Omnicrete's website at <http://www.omnicrete.com> or a local AAC plant's website URL at http://www.accoaac.com/ACCO_frames.html.
3. Also I have attached cross section diagrams of the wall so you can get an idea how it is assembled.

If you have any questions or comments I would appreciate hearing from you. Please advise as to the next step I need to take in receiving the declaratory statement. I have two builders and one building department waiting for documentation in regards to the product approval code situation for the Omnicrete system.

Sincerely,
Omnicrete Development, Inc.

Leonard R. Terry

Leonard R. Terry
President/CEO/Inventor/Patent Holder
fenTerry@omnicrete.com



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Dear Mr. Azhar Khan,

I am the inventor and patent holder of a construction process traded as "Omnocrete" by a Florida corporation incorporated under the name of Omnocrete Development, Inc. of which my wife and I own 100% of the stock of the corporation and I solely own the patent as filed under the United States Patent and Trademark Office.

By this correspondence I would like to petition for a declaratory statement that the Omnocrete system is exempt under Rule **9B-72.070** and subsequently approved pursuant to Rule **9B-72.090** and therefore exempt the process having to apply for a Florida Product Approval Code.

Omnocrete uses well established building components as part of the overall system, in that all major components are made from standard poured in place concrete formed by Autoclaved Aerated Concrete another standard product used in today's construction industry. In fact there is nothing used in the process that is NOT a standard product used today by conventional construction process; namely standard wood frame or CMU masonry?

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Omnocrete is used to build the exterior walls of residential or commercial buildings. Interior wall partitions are also constructed using a 4" AAC material and therefore all interior and exterior walls are made from 100% concrete. As stated above, this entire product concept is marketed as Omnocrete. Its patented name is "Solid Monolithic Concrete Insulated Wall System", US Patent number 6,532,710 B-2



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Sincerely,
Omnicrete Development, Inc.

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