

ECO® by Cosentino:
Make it Right Foundation uses
ECO by Cosentino





Make it Right

Project:
Make it Right

Location:
New Orleans –Lower Ninth Ward

Founder:
Actor- Brad Pitt

Project:
150 green homes

Architectural Firms:
Constructs-Accra / Ghana, Africa
Concordia/ New Orleans, USA
Atelier Hitoshi Abe / Japan
Kieran Timberlake Associates / Philadelphia, USA

Materials used:
1. Riverbed- ECO by Cosentino - Constructs-Accra
2. Starlight- ECO by Cosentino - Concordia
3. Kona Beige- Silestone by Cosentino - Atelier Hitoshi Abe
4. Riverbed- ECO by Cosentino - Kieren Timberlake Associates

New Orleans –Lower Ninth Ward

More than 4,000 homes in New Orleans' Lower 9th Ward were destroyed by Hurricane Katrina. Two years later, when actor Brad Pitt toured the city, the neighborhood was still deserted and devastated. Pitt promised the families he met there, that he would help make it right. He founded Make It Right to build 150 affordable, green storm resistant homes for families living in the Lower 9th Ward when the storm hit.

In December 2007, when Brad Pitt conceived his plan to rebuild part of the flood-ruined Lower 9th Ward, he had the future in mind.





On-site Snapshot as of May 2011

- 75 homes are completed
- Make It Right has brought nearly 300 people home to the Lower 9th Ward
- 13 additional families are in the process of buying a Make It Right home
- 45 homes have been certified LEED Platinum, the highest designation for energy efficiency and sustainability awarded by the U.S. Green Building Council; we anticipate that the remaining homes will be LEED Platinum certified soon.
- 25 men and women - including many Lower 9th Ward residents - have completed our green construction training program, learning highly specialized job skills and gaining valuable construction experience.

The Homes

- Built to weather the next storm or flood, Make It Right homes are safe, durable and resistant to mold and termites. The homes are elevated five or eight feet from the ground, built to withstand winds of 130 mph or more and fitted with hurricane fabric made of Kevlar to protect windows and doors from future storms.
- Make It Right homes are healthy both for the homeowners and the environment and do not contain toxic materials or release harmful gases.
- The energy-efficient design, solar panels, ENERGY STAR appliances and hyper-insulated construction make the homes environmentally sustainable and affordable, saving homeowners thousands every year in energy bills.
- 21 acclaimed local, national and international architects have contributed single family and duplex designs to Make It Right, including Frank Gehry, Tom Mayne, Shigeru Ban, Kieran Timberlake and David Adjaye.



Cradle to Cradle Design

(sometimes abbreviated to C2C, or Cradle 2 Cradle, or in some circles referred to as regenerative) is a biomimetic approach to the design of systems. It models human industry on nature's processes in which materials are viewed as nutrients circulating in healthy, safe metabolisms. It suggests that industry must protect and enrich ecosystems and nature's biological metabolism while also maintaining safe, productive technical metabolism for the high-quality use and circulation of organic and synthetic materials. Put simply, it is a holistic economic, industrial and social framework that seeks to create systems that are not just efficient but essentially waste free. The model in its broadest sense is not limited to industrial

Structure

The certification criteria in MBDC's C2C certification process are:

- 'Material Health', which involves identifying the chemical composition of the materials that make up the product. Particularly hazardous materials (e.g. heavy metals, pigments, halogen compounds etc.) have to be reported whatever the concentration, and other materials reported where they exceed 100 ppm. For wood, the forest source is required. The risk for each material is assessed against criteria and eventually ranked on a scale with green being materials of low risk, yellow being those with moderate risk but are acceptable to continue to use, and red for materials that have high risk and need to be phased out. Grey for materials with incomplete data. The method uses the term 'risk' in the sense of hazard (as opposed to consequence and likelihood).
- The next assessment is of 'Material Reutilization' which is about recovery and recycling at the end of product life.
- The third assessment is of energy required for production, which for the highest level of certification needs to be based at least 50% on solar for all parts and subassemblies.
- Fourth is water, particularly usage and discharge quality.
- The fifth area is 'social responsibility' which refers to fair labor practices.

The certification is available at several levels: basic, silver, gold, and platinum, with more stringent requirements at each.

The 21 architects participating in the Make It Right Project delivered, beautifully. They volunteered their time, attending design charrettes to learn about the needs and preferences of the community and potential homeowners. They applied their learning, experience, and creativity to fashioning pioneering designs that will shape the next

generation of family homes. And finally, they were asked to design homes that were aesthetically-advanced. All of the homes designed and built for Make It Right, feature a suite of storm resistant features, materials and building processes to help the residents, homes and community survive the next natural disaster. The Make It Right designs for green affordable homes were created specifically for New Orleans, Lower 9th Ward, but they could be replicated around the world. At a time when energy costs are too high, supplies are uncertain and concern about climate change is mounting, these homes offer the kind of practical, accessible design and technological solutions communities around the globe are demanding.

The U.S. Green Building Council named Make It Right's work in the Lower 9th Ward the "largest, greenest neighborhood of single family homes in America." That's why In the Lower 9th Ward today, home by home, family by family, a neighborhood is coming to life.



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