



EcoCrete Store

September 2022

Residential and Commercial Building System Process

“The Most Advanced Sustainable Building Material
and Housing System on the Planet”



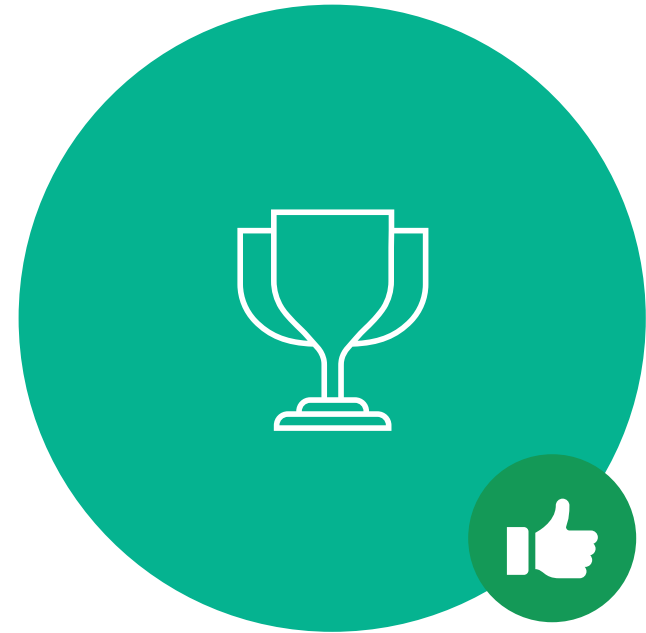


EcoCrete

EcoCrete manufactures some of the most innovative, functional, high-performance coatings and high speed building systems on the market.



We ship globally to many different countries needing housing and better high impact/abuse resistant coating solutions.



Our products are cost-competitive, unmistakably 'green' and capture the attention of world markets anxious to leave behind old and inferior ways to build.



01

If you are a government official seeking solutions to mass affordable housing needs, we can supply factories capable of producing thousands of homes annually and creating massive onsite employment for unskilled workers.



02

If you are an oil or mining company seeking remote location housing units, we can supply many cost effective houses daily to support your needs.



03

If you are architects seeking 'green' coatings with high performance requirements over Insulating Concrete Forms, we are the leader in these technologies.




04

If you are school officials demanding less maintenance or eliminating mold or mildew issues, we have a drywall replacement. Or maybe you are plastering contractors looking for next generation products that save labor and installation time; we have you all covered.



EcoCrete House

We are unmistakably one of the most advanced coatings companies producing products today. If you're a homeowner, a school or other institutional facility, a hotel chain or burger chain, or even a military facility looking for green healthy building materials or shoot houses or firing ranges, **we are the ideal choice for today's environmentally friendly yet high performance systems.**



EcoCrete House is a super insulated steel framed building system (**steel is the most recycled material on earth**) utilizing components and it is so energy efficient that a **EcoCrete House** will exceed ICF construction in thermal qualities.



EcoPanel



EcoPanel is NOT a SIP'S panel. **EcoCrete** EPS panels utilize our patented structural steel stud connection system. However the structure is considered a "Steel framed" building system with "Rigid Insulation, isolating and encapsulating the structural steel studs and patented connectors" and is signed off by a local registered structural engineer (PE) and utilizes ICC approved steel studs and EPS foam. We have eliminated measuring each stud typical to conventional framing practices. We build with the insulation panels first which locate each structural stud component, making the installation very fast and right the first time. Walls go up in minutes and a small house can be erected in one day using local labor and coated by plastering or stucco applicators ready for occupancy in about a week. Concrete pads or slab foundations are preferred for fastest installations. **EcoCreteHouse** comes in a handful of components making onsite installations simple and very fast.

EcoCrete House

EcoCrete House super insulated steel-framed construction system specifically targets projects where rapid speed of construction and ease of assembly is important. By significantly reducing labor costs and project cycle times, **EcoCrete** House building system allows a high performance sustainable structure to be constructed at or below wood framed prices! This is a revolutionary step change in the way we build by reducing onsite labor costs. All walls are super insulated with higher R values starting at **R-24 up to R-60**. In addition, **EcoCrete** panels are coated with ECOMax abuse and fire resistant interior coatings and waterproof weather resistant **EcoCrete** Stucco exterior coatings and painted any color.

No matter if you are building a home, school classrooms, commercial space, medical center, church or multi use building, EcoCrete House provides the thermal efficiency and speed to get your project completed and occupied quickly.



EcoBallis interior protection is available if needed



60%

Building operating costs are reduced, HVAC systems can be sized down as much as 60%, and operating times to heat or cool the structure are shortened.



Highlights

- ✓ Meets IBC steel-framed construction standards, utilizing ICC approved steel studs and EPS foam
- ✓ Engineered to withstand hurricane force winds and CA seismic zone 4
- ✓ Easily and rapidly assembled by unskilled labor
- ✓ Utilizes PlasterMax fire rated interior abuse resistant finishes





Highlights

- ✓ **EcoCrete Stucco** non-combustible waterproof exterior finishes
- ✓ NO Portland cement = Low Carbon footprint
- ✓ Unlimited design possibilities including curved walls
- ✓ Ideally suited for Low cost and affordable housing
- ✓ No wood, No rot, No mold or mildew, insect and fire resistant
- ✓ Containerized and shipped globally to remote locations as a complete kit
- ✓ Emergency and Disaster relief permanent housing and shelters
- ✓ International joint venture factory opportunities are available
- ✓ Supplier of remote location housing for Oil and Gas and Mining industries
- ✓ Government suppliers of mass affordable housing
- ✓ Unlimited design capabilities
- ✓ Lightweight components are hand carried onsite, no need for cranes.



EcoCrete Plaster

EcoCrete Plaster Abuse-Resistant Interior Veneer Plaster is an ultra-high-performance finish for architectural and industrial applications requiring extreme abrasion and water resistance. With its abuse-resistant features (**resistant to cracking, indent, water, and abrasion**), ease of installation, fire protection, design options, and resistance to mold and mildew,

EcoCrete Plaster offers unparalleled versatility.





EcoCrete Plaster



Where drywall is the substrate, **EcoCrete Plaster Abuse-Resistant Interior Veneer Plaster** in a single product application, provides the ultimate resistance to abrasions far exceeding abuse type drywall. This product is formulated for industrial strengths exceeding 8,500 psi and provides an attractive, smooth or textured finish over a variety of other substrates, such as gypsum board, cement board, CMU block, mag-board, fiber board, monolithic concrete and unit masonry. Typical application thicknesses are 3/16" depending on the need for extreme abuse resistance.

01 EcoCrete Plaster

Abuse-Resistant Interior Veneer Plaster is formulated so it requires simple mixing techniques with plaster mixers. This product is manufactured to simplify application and introduce "green" manufacturing techniques. It contains all needed ingredients, no sand is required at the jobsite, resulting in minimal risk of mixing errors.

02 EcoCrete Plaster

is easy to mix and apply using conventional plaster tools and techniques, and is applied in a scratch and double-back one-coat application along with a 4.5 oz or 11 ounce or heavier fiberglass mesh depending on the abuse resistance needed. For texture finishes, complete texturing after the plaster has firmed up and before the final set. Polyurethane roller texture finishes can also be used and rapidly finished.

03 EcoCrete Plaster

Abuse-Resistant Interior Veneer Plaster can be easily painted or stained



04

EcoCrete Plaster

Abuse-Resistant Plaster was specifically developed for the toughest industrial applications, but it is also an ideal finish for walls in schools, universities, restaurants, medical facilities, hotels, commercial offices, government/military buildings, correctional facilities, multi-family housing, and other high-traffic, high-abuse applications. The strength and abrasion- and abuse-resistance features also provide the means for reduced long-term maintenance costs. See the application details and product specification sheet for specific details of performance. Architects and designers can also take advantage of the wide range of decorative options of this product ([click here for examples](#)). Besides many types of smooth and textured finishes,

05

EcoCrete Plaster

Abuse-Resistant Interior Veneer Plaster is designed to be environmentally responsible. It emits zero pollutants, and uses less water than similar products currently on the market. All EcoCrete Plaster Interior Veneer Plaster products exceed USEPA and California indoor air quality and VOC standards and conserve water compared to other similar products.



For level III (highest) abuse resistance we recommend 3/16" thickness and it replaces fragile 1/2" or 5/8" gypsum board over ICF walls and ceilings. Tested and code approved for ICF's to ASTM E-136, ASTM E-84 and NFPA-286 code compliance by Intertek (largest materials testing agency) this is another World's first for GigaCrete and the entire ICF-EPS-SIP's industries. One thin coat is applied directly over the EPS foam and fiberglass mesh is embedded and then covered over with the same material giving about 3/16" finished thickness.



EcoCreteStucco

EcoCreteStucco

is a true one-coat waterproof stucco designed to adhere directly to any EPS foam, CMU block, DensGlass, Securock, cement block, concrete, stucco and other building materials. EcoCreteStucco is used on ICF construction for its waterproof qualities, durability, strength, and ease of application allows contractors to “go green” without compromising performance, cost, or simplicity.

EcoCrete Stucco

exterior wall finish coating performs beyond any conventional exterior stucco in the market today with excellent water resistance, permeability, impact and abrasion resistance as well as resistance to mold and mildew. It is the perfect choice for exterior applications, as well as a bonding agent and mortar for manufactured (cultured) stone facings.

The 3/16” one coat application has over 3,500 PSI compressive strength. EcoCrete Stucco is designed to be environmentally responsible, utilizing natural limestone sand and NO Portland type cements, it is sustainable and emits no pollutants.





Performance Highlights

- ✓ Provides a hard, durable single coat over EPS and other exterior walls sheathings, over 3500 PSI compressive strength
- ✓ Applies directly over EPS, stucco or (CMU) cement block etc.
- ✓ Single day application
- ✓ Impact and abrasion resistant
- ✓ High early strengths
- ✓ Low shrinkage minimizing cracking
- ✓ Highly water resistant
- ✓ Resistant to freeze thaw damage
- ✓ Highly resistant to sulphate attack
- ✓ Low permeability, considered a vapor barrier
- ✓ Hand or machine applied
- ✓ Silica free



Installation Highlights

01

Arrives in bags that are mixed with water at the job site.

02

Applied at 3/16" thick.

03

Tolerant of misting and trowelling.

04

Can be primed and painted once cured.

05

Can be subjected to freezing temperatures on the day of installation, provided that at least seven hours have been spent curing in temperatures over 45 degrees Fahrenheit.



**EcoCrete
Store**



EcoBALLIS

EcoBallis NIJ Level 3 and NIJ Level 4 bulletproof coating

is a plaster mix with exceptional ballistic impact resistance. Our Ballistic panels have superior ceramic like strength and hardness qualities that are designed to offer ballistic protection against all handgun bullets, most rifle bullets, and armor piercing rounds.



EcoBALLIS

It is environmentally friendly while providing strength, durability and economy. It forms a strong bond to many substrate materials such as cement blocks, cement board, gypsum board (drywall) brick and stucco with tensile and bond strength exceeding the strength of the substrate in many cases.

It can be applied as a single coat from 5/8" or incrementally layered up to 2" thick depending on application. A paint finish is recommended after complete curing has taken place in 5 days. **EcoBallis** is a natural off white color and is pre-blended and mixed with conventional plaster mixing equipment. It can be pumped and sprayed or hand troweled.



EcoBallis

comes in a 2 part package and both are mixed together onsite. Working time is approximately 1 hour at 60-70F and can be finished smooth, stamped or textured.

EcoBallis

is great for creating bullet resistant safe rooms in schools, government facilities, and even your home.



Environmental Consciousness

EcoBallis is designed to be environmentally responsible and sustainable. It emits no pollutants even in contact with fire, no smoke, no flame and no VOC's. The Product meets emission level requirements of GREENGUARD product quality testing. BallistiCrete does not support the growth of mold and mildew and is non-allergenic, utilizing only natural earth friendly materials and contains no silica sand.

In hostile environments where safety from small arms fire is needed, EcoBallis offers the protection you need. H.P. White Laboratory tested and passed NIJ Level III and NIJ Level IV Armor Piercing. Tested against:



7.62 x 39
AK

7.62 x 51
NATO

30.06

30AP

40 Cal.
9mm

357
magnum

44 and .45
magnum,
multi shots

Uzi
automatic
machine
gun fire

Desert
Eagle .50
caliber
rounds



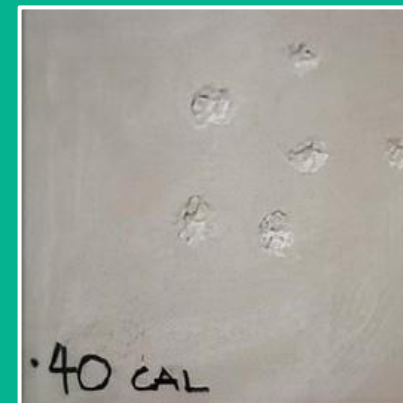
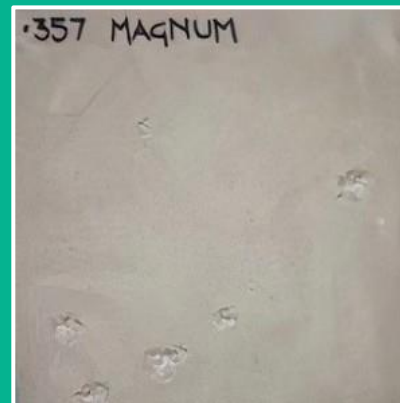
EcoBallis can stop penetration into the structure. Easy to apply to the substrate for quick application, turns almost any room into a “safe room” protected environment. If you are looking to convert existing rooms or buildings into bullet resistant environments without calling attention to local threats, interior coatings can be applied quickly and quietly without the need for specialized machinery.



**H.P. White Ballistic
Lab Tested**



EcoBallis is an ideal interior coating in neighborhoods suffering with drive-by shootings, banks, schools, police departments, military installations, embassies, restaurants, night clubs, hospitals, retail stores, safe rooms, house interior walls, offices and anywhere requiring bullet resistance. **EcoBallis** is approved by the Governments of the USA, Mexico and Thailand. Cast into panels, **EcoBallis** is ideal for firing ranges, shoot houses or protecting equipment or personnel.





Performance Benefits

- ✓ Provides a hard, durable coating over many wall surfaces, over 8,500 PSI (typically 9,000+ PSI) compressive strength (Per ASTM C109)
- ✓ Applies directly over gypsum board, EPS foam, existing stucco, cement board, CMU blocks or wood substrates using mesh impregnated BallistiCrete.
- ✓ Noncombustible building material (Per ASTM E136)
- ✓ Zero flame spread, and zero smoke developed indices (Per ASTM E84)
- ✓ Resistant to mold and mildew growth (Per ASTM G21)
- ✓ When applied over EPS foam, BallistiCrete™ meets ICC building code required fire protection requirements (Per UBC 26-3; NFPA 286; and IBC Section 803.2.1, Corner Room Fire Tests).
- ✓ Meets all the emission level requirements of the GREENGUARD Product Quality.
- ✓ Can be applied to create both smooth and textured finishes; and, it can be painted.
- ✓ Pre-formulated mix, needs only mixing on site, nothing to add.
- ✓ Mix and apply using pumps/sprayers or troweled by hand.

An aerial photograph of a dense urban skyline, likely New York City, viewed from a high angle. The image is overlaid with a semi-transparent teal color. The buildings are packed closely together, with various architectural styles and heights. The text "Thank You!" is centered in the middle of the image in a white, bold, sans-serif font.

Thank You!