EvoCrete Advanced Polymer

THE NEXT GENERATION OF ADVANCED ROAD CONSTRUCTION

NO MORE TOXIC ASPHALT!!

- COST EFFECTIVE
- ULTRA STRONG
- SUPER FAST
- ECO FRIENDLY

NOTICE THAT THE STEEL SUPPORTS ARE RESTING ON SOLIDIFIED SOIL ONLY WITHOUT CONCRETE PLATFORMS OR PLINTHS….SUPER SOLID BASE LAYER

THIS IS THE POWER OF EVOCRETE!!!

EvoCrete® is a Cement Additive that has been used globally in over 400 construction projects over the past 20 years

DISRUPTIVE TECHNOLOGY IN ROAD

Disruptive technology always face numerous hurdles and opposition to adoption from powerful competing industry interests that refuse to evolve with available and advanced technologies.

Lets be honest, Asphalt Tar Roads, are an outdated, expensive and environmentally damaging, dirty, toxic and “outdated” method for road construction. That is so devastating to the planets environment.

Evocrete is a better way forward in road construction.

The immeasurable benefit to developing Nations of Africa.

1. Evocrete Road Construction is 60% quicker in construction than conventional Asphalt
2. 40% Cheaper than Asphalt / Tar
3. Zero Maintenance Required
4. 30yr guarantee NO POTHOLES
5. Creates Jobs

HGV [HEAVY GOODS VEHICLES] DRIVING ON THE SURFACE OF EVOCRETE SOLID BASE.
LOAD BEARING CAPACITY INCREASES TO EASILY HANDLE +10 TON PER AXLE!

EvoCrete Soil Stabilization

Firstly, it is important to note that road construction companies around the world have used certain types of polymers to stabilize soil in order to produce a load bearing base layer, the problem with these typical polymers are:
They are only effective mostly, when added to clay based soils, they are extremely inefficient when tackling any other kind of soils and therefore deteriorate rapidly, resulting in the roads needing attention shortly after completion, resulting in even more money thrown at the site on a constant basis. You will NEVER have this problem with EvoCrete!

Polymers are inferior for soil stabilization and should be avoided. EvoCrete is NOT a Polymer, it is a combination of natural minerals that enhances and accelerates the hydration process of cement and forms interlocking crystallization that strongly bonds to the soil, resulting in super strong load bearing capacity, flexibility and water repellent properties.

Think of it like trillions of microscopic rebars all intertwined together, forming a natural mesh-like structure in the solidified soil, giving it slight flexibility and incredible strength, which is the exact opposite of a brittle structure that will crack and deteriorate. EvoCrete treated base layers easily achieve load bearing capacity of more than 10 ton per axle, resulting in roads that stay strong and un-affected by deterioration due to heavy trucks and general traffic.

VEHICLES OPERATING DIRECTLY ON EVOCRETE STABILIZED SOIL BASE LAYER 1 DAY AFTER SETTING...
THIS WAS AT AN OIL TANK FARM - A PORT IN EQUATORIAL GUINEA

Modified Polymer/Composite pavement

WE CAN ELIMINATE ASPHALT/BITUMEN AND HYDROCARBON BASED PAVEMENTS COMPLETELY FROM THE ROAD SURFACE!...THEY ARE NOW OBSOLETE! Evocrete can be used wherever you like!...Highways, Urban roads, Car Parks, Walkways, Airport taxiways, etc, the list is endless.

Utilizing the latest and evolved technologies in Polymer Paving that is unaffected by Water, U.V, Oil, Diesel, Auto Fluids, and Gases. We have found the perfect solution for protecting virtually any road surface,... this is where it all starts to makes sense when combining EvoCrete soil stabilized base layer, the most amazing feature is; you only need about 8mm- 1cm depth, this will give you easily more hard-wearing/load bearing strength than 16cm of asphalt!..

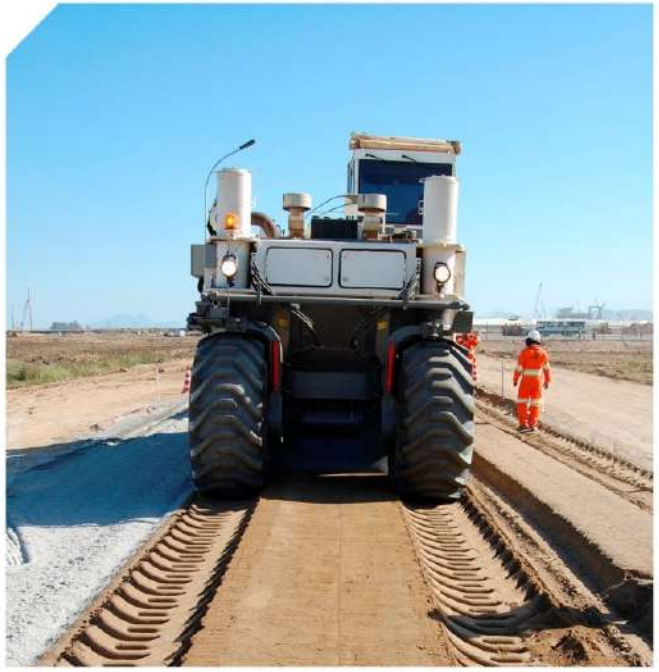
It takes 28 days to build 1km Road using Asphalt + 21 days to cure for use by vehicles
It takes 4 days to build 1km Road using EVOCRETE, the road is ready for use in less than 24hrs

Choose your colour!..Lets go green! Now you literally can!!

ASPHALT ON THE LEFT...POLYMER TOP ON THE RIGHT.

We listen, plan and react to support our client's needs

Evocrete delivers increased compressive bending and tensile strength with an approximate 20-37% reduction in cement per m^3



Evocrete supports Roller Compacted Concrete (RCC) processes

Using a recycler, RCC with Evocrete allows the usage of the in-situ soil as the aggregate.

Product Advantanges

Cost Savings:

- Reduction of costs for earth excavation
- Reduction of transports needed to landill sites
- Reduction of purchases of materials for base layer and anti-frost layer
- Reduction of supplies of illing materials
- Reduction of top coats
- Reduction of costs for repairs
- Reduction of maintenance costs
- No anti-capillary layers needed
- Immobilization of hazard- ous materials without dis- posal and land ill charges
- Approximately 20 to 37% reduction in cement re- quirements

Time Savings:

- Reduction of time expendi- ture for earth excavation
- Reduction of transports needed to landill sites
- Reduction of deliveries of materials for base layer and anti-frost layer
- Reduction of supplies of illing materials
- Possibility to avoid depth foundations (after prior static inspection and if foundation conditions are favorable)
- Reduction of settlement periods required
- Stabilization and immo- bilization possible in one procedure

Some further images showing the modified polymer being laid at only 8mm thick!


LOOKING GOOD IS
FEELING GOOD!
AESTHETICALLY PLEASING
FLAWLESS & SMOOTH FINISH
IMPROVED QUALITY OF HUMAN LIFE

Even more benefits!

It is eco friendly and you can choose your colour, we recommend grey because it reflects heat away, unlike black asphalt that acts like a heat bank, storing heat that reaches very high temperatures, resulting in melted/soft easy to damage surface and also increasing the urban area temperatures by as much as 10% when the heat is released through the day and night, which in turn means AC units work harder and use more energy to keep the buildings cool. Night Vision is also improved with grey roads.

Note, the weakest part of the road is usually the asphalt.

Asphalt has so many disadvantages, overheating and rutting groves made by heavy vehicles, cracking and potholes, water ingress, constant expensive maintenance, release of VOC's and other toxic cancer causing fumes into our atmosphere and breathing environment, etc.

Processing and Result

- High load and bearing capacity
- Very resistant and durable
- Reduced formation of cracks
- Reduction of settlements
- Impermeable, leak-proof surfaces
- Acid-resistant, salt resistant
- Processing possible up to -6° C and under water
- Can be used for virtually any soil
- Immobilization of hazardous substances
- Favorable alternative to concrete technology

Ecology

- Purely natural mineral components and completely recyclable
- Use of materials available on-site
- Lower strain on the environment as a result of considerably reduced transport
- Natural surfaces – no periods required for settlement
- As a result of construction time reduction, reduction of construction trafic and
- impact on general trafic (diversions, queues, etc.)
- Groundwater protection

Money Savings

- Reduction of costs for earth excavation
- Reduction of transports needed to landill sites
- Reduction of purchases of materials for base layer and anti-frost layer
- Reduction of supplies of illing materials
- Reduction of top coats
- Reduction of costs for repairs
- Reduction of maintenance costs
- No anti-capillary layers needed
- Immobilization of hazardous materials without disposal and land ill charges

Time Savings

- Reduction of time expenditure for earth excavation
- Reduction of transports needed to landill sites
- Reduction of deliveries of materials for base layer and anti-frost layer
- Reduction of supplies of illing materials
- Possibility to avoid depth foundations (after prior static inspection and if foundation conditions are favorable)
- Reduction of settlement periods required
- Stabilization and immobilization possible in one procedure

YOUR ROAD COULD LOOK LIKE THIS...IT'S NOT ASPHALT!

Contact

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