



GT-11-00204

Changing the architecture culture,
Eco-friendly advanced material



Green New Technology
Utilizing (T.GSC) to solidify local soil technology

The new method of road construction : T-GSC solidifier + T-GSC powder + soil



T&G TECHNOLOGY GLOBAL Co.,Ltd
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Greetings



Company Introduce

We have been producing and developing the eco-friendly solidifier (T-GSC) since 2001. Our goal is preserving the environment and handing over better environment to descendants. We can reduce the usage of cement about 70% by applying the T-GSC, so it can be the revolution for construction field. And T&G Ltd. , NSC Ltd. also take the lead of eco-friendly energy such as sunlight, the velocity of the wind, LED and so on.

PRESIDENT SEONG KYUN, SHIN

NSC
Seong Kyun, Shin



Application in Construction

Range of Construction

Environment-friendly material

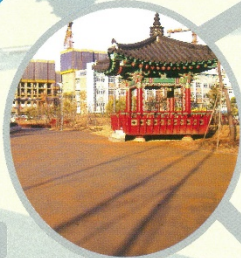
Reducing the cost of road construction

Improvement the quality of soil and Prevention the environmental pollution

Concretize the weak pondside

- Soil road
- Farm waterway
- Walkway
- Exclusive bike road
- Alternate the support layer of road
- Farm road
- Shore protection block and all sorts of structure
- Artificial fishing reef
- All kind of parking lot
- Solidifying all sorts of sludge(solid waste)

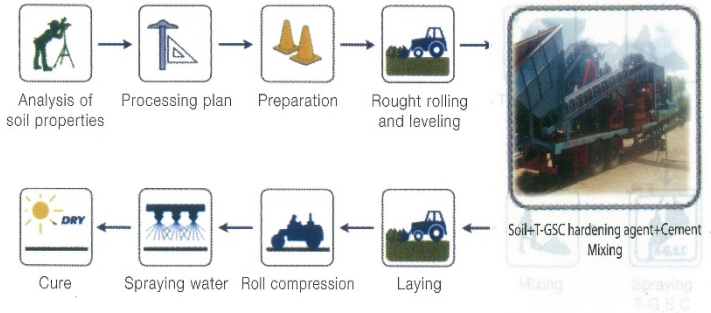
Instances of Environment-friendly "Soil" road construction



The method the quality improvement construction by T.GSC

T.GSC

Processing Procedure



T.GSC

Effect of T.GSC

- Removal of organic active components
- Bonding of soil particles
- Prevention of cracks
- Water soluble
- Anti-pollution effect
- Frost resistant effect
- Earthquake-proof effect
- Economical construction cost





Product feature

Natural Soil Recycling Technology · Environment-friendly Soil Hardening Agent

Adapting the soil's nature, and strengthen the foundation we finally complete the long-term bearing power. T.GSC is foundation reinforcing material that absorb the Soil-cement method of construction's merit and complement the fault. Because it consists of inorganic-metal element, it can withdraw the environmental pollution. Also, it harden in any water and restrain the aging process.

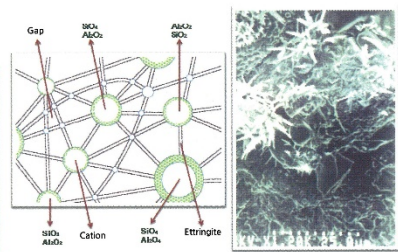
If adding the T.GSC an aqueous solution to soil, it absorbs to free state Ca ion in soil particle so, eliminates the organic active ingredients. As a result adhesive strength of cement and particle of soil's intensity are increase. Also, intensity increases as time goes by, and improved soil makes one rock-forming.

Method of construction uses the soil at the field, so it is useless such as the cost of sand, gravel. And there is no convey-management which leads environmental pollution. Moreover, it has simple method and short cultivation term that can be lessen the period of construction and total construction cost.

Compressive strength and tensile strength have increased about 20~30% than before, and improved soil also increased as the special quality and time of procedure. And high water-proofing, strong enough to bear freezing and high temperature. It never influence to nature because outer-layer's water and infiltration water's PH is neutrality.



T.GSC Powder



Combination structure of Solidity, High Intensity (concrete) compound

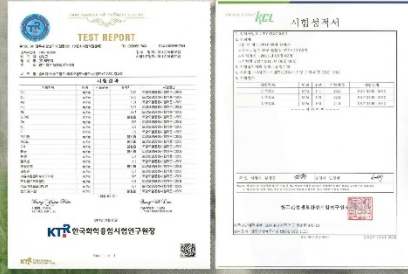


An Outline of technology

Special permission & Registration status



Detection of the toxic substance for T.GSC



T.GSC status of Special permission



Certificate of Green Technology



Application produce



- 1981. 08 - 1st prize of National knew technology invention fair 2003
- 1982. 06 - A citation from Korea creativity development office
- 1982. 09 - A citation from Korea invention patent association
- 1982. 10 - 1st prize of America national invention & knew technology fair
- 1983. 05 - Industry medal from president in Invention day
- 1993. 03 - Set to practicalize research development
- 1993. 05 - Set to union research with Daichi laboratory in Japan
- 1993. 07 - Separate with Daichi laboratory
- 1993. 08 - Set to Single research : Invention patent application (No.16484)
- 1993. 09 - Sludge solidify test execution for Busan sewage treatment area
- 1993. 10 - Supplement construction for weak pondside for Busan Eulseukdo
- 1994. 08 - Exhibition of knew technology in Korea comprehensive Environment industry exhibition
- 1994. 08 - Exhibition of knew technology in Ulsan Environment industry exhibition
- 1996. 03 - Modernization construction of Jeonbuk Kimje Dongjin-Nongjo' s farm waterway establishing
- 1997. 04 - Invention patent application notice No.97-6719 (Composition of soil solidify)
- 1997. 08 - Exhibition Construction for dredging deposits of Mokpo airport airstrip construction
- 1999. 05 - Success in concretize of dredging waste from river and sewer 2007
- 1999. 07 - Success in solidify& reinforce of dredging waste from Gyung-gi Gwangju Gyungan river
- 1999. 10 - Invention patent application (99-0045787) : Promoting of soil solidify and its composition
- 2000. 03 - Farm road construction of Gyung-nam Changwon (Outer layer)
- 2001 - Alternate construction of support layer using the actual spot soil (Indonesia)
- Supplement construction of Industrial complex' s weak pondside (Malaysia)
- 2002 - Construction of Bong-moo park' s plaza and promenade (Dae-gu, Dong-gu) 2008
- Road construction alternated support layer (Malaysia)
- Promenade construction of Sinam park, Dooryu park (Dae-gu, Suseong-gu)
- Promenade construction of Dae-gu World cup stadium' s small park 2009
- Road construction alternated support layer (Chana)
- Outer layer construction of pavement nearest inhabitants' playground (Dae-gu, Buk-gu) 2010
- Exhibition construction of weak pondside supplement construction (Philippines) etc.
- Establishing the production corporation in Gyung-buk, Seong-ju (International environmental development Ltd.)
- Road construction nearest Pam farm (Malaysia)
- Alternate construction of support layer using the actual spot soil (Harbin China)
- Road construction alternated support layer (Philippines)
- Slip road construction for school with field soil (Harbin Chana)
- 2004 - Establishment of single promotion in Harbin, China (Harbin Seonghwan science Technique development Co.,ltd)
- Construction of school playground (outer layer) (Chinese Korean 1 middle school)
- Supplement construction of weak pondside in factory site (Malaysia)
- Construction of slip road and Condominium parking lot (Jeonnam, Goo-re)
- 2005 - Supple and reclaim construction of weak pondside with 1,188,000m' (Malaysia) etc.
- 2006 - Alternate construction of support layer using the actual spot soil (Indonesia)
- Road construction alternated support layer and outer layer(Bangladesh)
- Supplement construction of weak pondside - foundation work of oil tank (Malaysia / Petro knot)
- 2007 - Exhibition construction for support layer of road construction (Myanmar)
- Pavement work for promenade and all kind of playground (Gwang-ju city development construction 1,2 section)
- Support layer construction for country road (Younggoo, Liaoning, China)
- Accepted the Technology test the road construction of alternated the support layer held by the Ministry of Transportation, China
- Convention with the Ministry of Transportation, China for technology
- Change the firm name and move the head office (NSC Ltd. Gwang-ju)
- Promote construction of auto camp in Song-ho beach, Hae-nam
- Park promenade construction in Ok-am 2, Mok-po
- 2009 - Sunlight roadlamp, LED, Introduction of pyrolysis application technique
- Foundation Establishment (T&G Ltd.)
- Move in Cheom-dan industrial estate
- = Chinese patent
- Songyuan City, Jilin Province, China, Jung-gu, road construction, trading house
- 2 difference (K-GSC. formulations and T.GSC) Order



- 2011 - Cho Hyun ecological park ramp, Shandong Province, China
Subbase construction (K-GSC and topical formulations and T.GSC apply)
Green Technology Certification
Utilizing (T.GSC) to solidify local soil technology
Always lingering, Jiangsu, China
Subbase construction (K-GSC and topical formulations and T.GSC apply) Order
Certified green professional company
- 2012 - China Anhui Bengbu 3G Bush subbase reinforcement of soft ground
plant site construction (K-GSC method and apply T.GSC solidifying agent) Order
- 2013 - Jeollanam-do Boseong create an ecological park trail construction construction business
Urban Development of Mongolia, Ulan Bad Lassi T.GSC method applied to construction projects
- 2014 - Tajikistan's premium class, Ltd. joint venture with a local.
- 2014 - Tajikistan's premium class, Ltd. joint venture with a local.
Road test laid Tajikistan.



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Agitator



Agitator



T&G Co.,Ltd with You!



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