

GEOCRETE WCS is a high quality concrete green labelled by SGLS (Singapore Green Labelling Scheme) and is recognised by international Global Eco-Labeling network.

GEOCRETE WCS is composed of carefully selected recycled materials such as Washed Copper Slag and recycled aggregates.

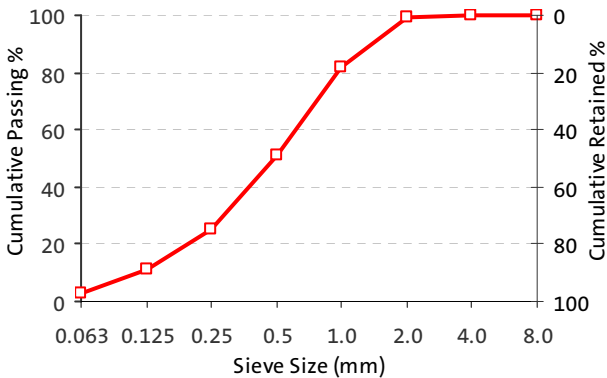
The recycled materials are approved by NEA, National Environment Agency, Singapore, for use as they are inert materials.

GEOCRETE WCS has similar properties to normal concrete. Its performance (fresh and hardened) has shown to be better than normal concrete.

TYPICAL PROPERTIES

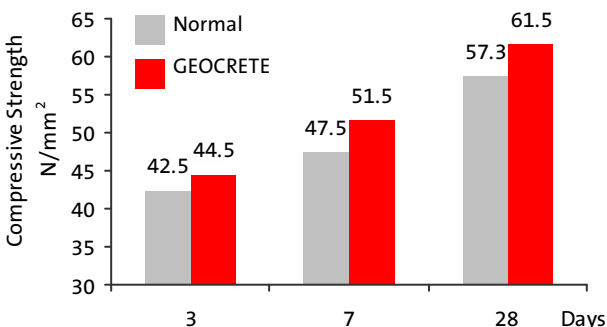
Density	Approx. 2400 kg/m ³
Binder Phase	Portland Cement
Filler Materials	Washed Copper Slag (WCS)
Chloride Content, % m/m (BS EN:1744-1:1998 Clause 7)	Less than 0.01
Sulphate Content, % m/m (BS EN 1744-17)	0.10
Specification for Aggregate for Concrete (BS EN 12620:2002 and SS EN 12620:2008)	Complied with Requirement

Sieve Analysis of WCS(BS EN933-1:1999)

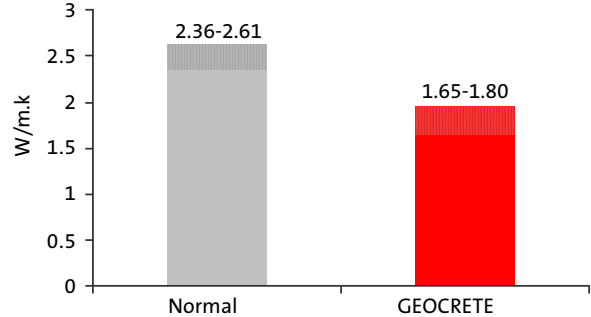


PERFORMANCE

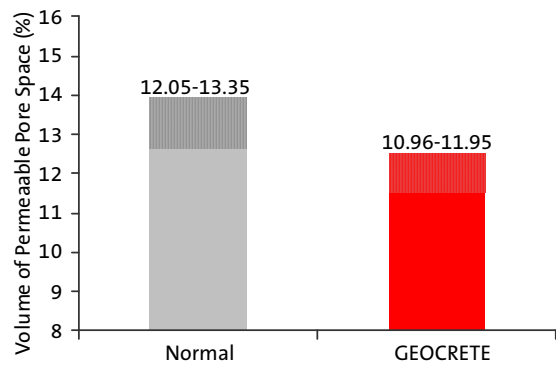
Compressive Strength Comparison (Grade 45)



Average Thermal Conductivity Comparison



Volume of Voids Comparison



AREAS OF APPLICATION

- Structural application such as bridges and buildings, etc.
- Non-structural application such as sub-structures and footways, etc.

PACKAGING

GEOCRETE WCS is available in bulk delivery.

SAFETY PRECAUTIONS

GEOCRETE WCS is non-hazardous. For more detailed information, please refer to Material Safety Data Sheet.

JCL Building Materials Pte Ltd (JCL) warrants that the product conforms to its chemical and physical description and is within bounds fit for use as stated on its product data sheet when used in compliance with written instructions. JCL makes no other warranty either expressed or implied. The purchaser assumes all risks in handling.

All information contained in this product data sheet is only to be used as a guide and subject to change without notice. This product data sheet supercedes all previous data sheets of this product. For additional information or concerns about unique applications or specific projects, please contact JCL.



Identification Number: 022 005
Eco Friendly Building Material
Recycled Content: 33%
Carbon Emission Value: 600kg/m³