# GrowSea/™ CCW

Nano-modified Cementitious Penetrating Crystalline Waterproofing Coating

#### Incorporating nanotechnology into cementitious crystalline waterproofing

#### Introduction

**Growseal™ CCW** nano-modified cementitious penetrating crystalline waterproofing coating is a surface applied, unique treatment with nanotechnology for the waterproofing and protection of concrete in depth.

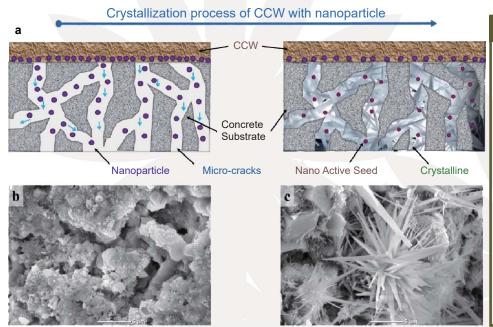
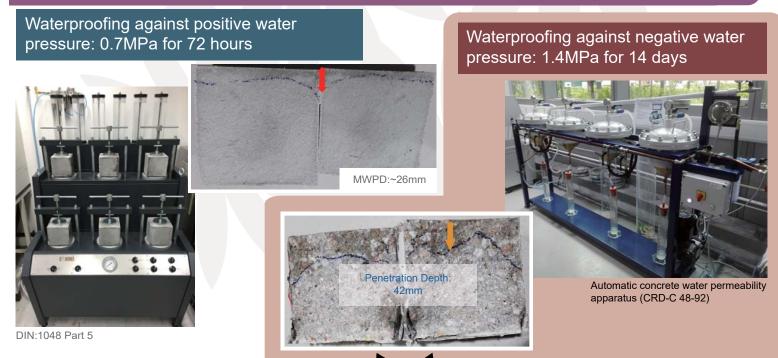


Figure 1 a) Crystallization process of nano-driven penetrating cementitious crystalline waterproofing material in concrete matrix; b) SEM of untreated concrete substrate; c) SEM of concrete substrate treated with Growseal™ CCW

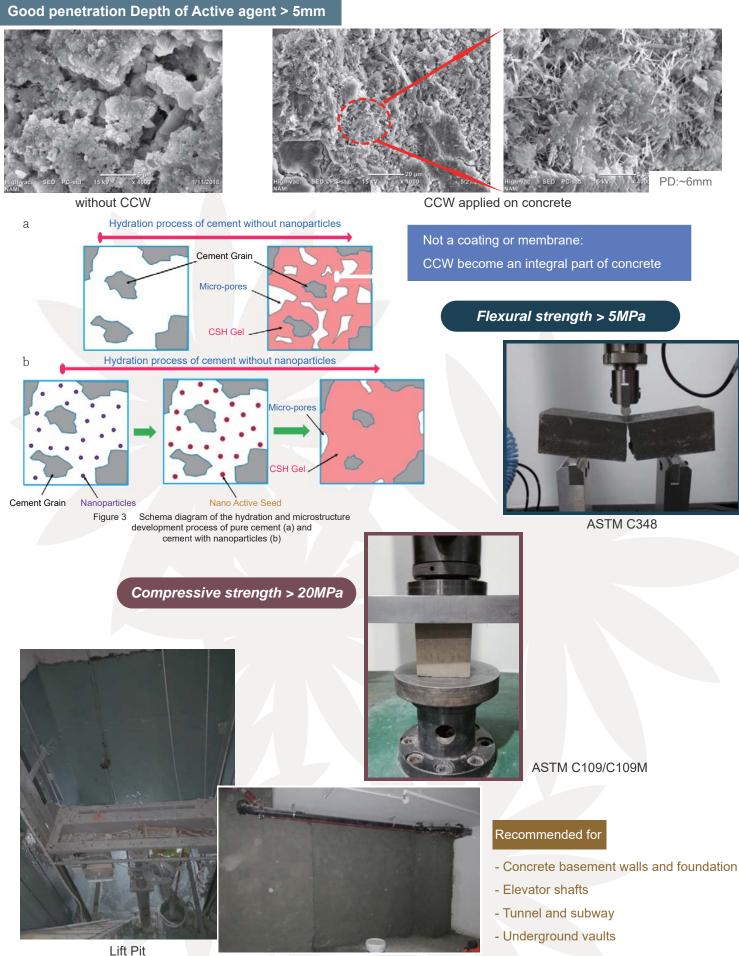
### **Product Description**

**Growseal™ CCW** consists of cement, quartz sand and active agents. The active agents in the powdery cementitious crystalline waterproofing material can penetrate into micropores, capillaries and shrinkage cracks derived by chemical diffusion, and then react with the incomplete hydrated cement and moisture to form insoluble crystals that integrate with the concrete to fill up the micro-cracks/voids by secondary hydration. Any presence of moisture over the lifespan of concrete will reactivate the agents to further seal up capillary tracts and hairline cracks. It has been widely used for "positive" and negative side waterproofing for building and construction.

## **Special Feature**



Growseal<sup>™</sup> CCW



**Basement Wall** 

For more information, please contact **Manufacturer & Distributor:** GrowTech Limited Flat 18, 14/F, Block A, Wah Lok Ind. Centre, 37 - 41 Shan Mei St., Fo Tan, N.T., Hong Kong Tel.: (852) 2305 5222 Fax: (852) 2305 5220 E-mail: info@growseal.com Website: www.growseal.com