

# PRESS RELEASE

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## **The first total waterproofing breakthrough technology + material in the world – now in Singapore + Southeast Asia**

Water leakage in concrete structures is a serious problem, an unavoidable headache for builders and a recurring nightmare for waterproofing repair specialists. Multitude permutations of materials as well as application methods have been short term surface solutions and the end-result is invariably disappointment and many more re-visits and costs.

Till now there are only very limited solutions, for example the conventional method of repair such as the polyurethane, epoxy grouts. This is based on the negative repair method where the resins are injected into the interior or negative side of a structure, away from the direct exposure to groundwater. Leaks are temporarily contained but more likely than not, water build-up will gravitate to another vulnerable spot. It is at best a passing respite, rarely able to meet the strict conditions specified by builders and engineers. There is no reliable and permanent solution to leaks.

Hence, an escalating pressure for higher quality materials and improvements in waterproofing methods.

Finally, we have a breakthrough - driven by a remarkable growth of construction in Korea in the 1990s, notably large-scale constructions, like Gyeongbu High-Speed Railway, Incheon International Airport, Seohaean Expressway, subways, dams and more. The prosperity of construction bore stately and aesthetic structures but also bring with it grave problems of cracks and leakages, and incurable headache for owners, managers as well as city authorities.

To solve the leakage problem, RE-NEW SYSTEM developed through industry-university cooperation with Seoul National University of Technology, the world's first total waterproofing products, and TURBO-SEAL using new material that automatically treats damaged parts. It was designated as the 376th New Technology by the Ministry of Construction and Transportation Korea.

**The proprietary Leakage-Repairing Technology** form a water-proofing layer through thin membrane similar to the present paint-film waterproofing. Instead of the traditional negative repair method, RE-NEW System is a positive repair that aims to re-build structure integrity at the leak source. TURBO-SEAL water-proofing material is injected into the crevice of a damaged water-proofing layer, after setting up at an injecting hole, to restore the former water-proofing layer that is damaged. As a result, it restores the function of the former water-proofing layer; at the same time, it doubles its function compared with the first construction, as it adds functional specialty to this material.

**The patented Product Technology** – TURBO-SEAL is a new concept in waterproofing material. Upon contact with water, it expands to boost adhesion. It then seeks out leaks and expands to repair the damaged waterproofing layers. TURBO-SEAL responds to substrate movement and absorbs vibration due to the gel's flexibility and dampening capabilities; absorbs any foreign

matter to form an adhesive; stable waterproof coating; is not subject to separation; can be effectively applied to wet or underwater structures; plus it expands upon contact with water and restores damaged and separated parts to re-establish waterproof layer integrity.

Here is a new method and product technology breakthrough that will take markets by storm.

RE-NEW SYSTEM's new method and product have been successfully implemented in the gallery of dam (built in 80 meter water), Incheon International Airport in Yeongjon-do, the roadbed of subway, the cable tunnel of KT Corporation, mountain tunnel, Seoul Station building, thermoelectric power stations, and by the Korea National Housing Corporation, just to name a few, demonstrating the effectiveness and industry support for RE-NEW Waterproofing System and TURBO-SEAL - new systems + technology - from Korea to the World. In Singapore, pioneer users who have first hand experience of the Re-New and Turbo-Seal solution include Hillview Condominium, Laguna and the Common Service Tunnel.

The RE-NEW SYSTEM and TURBO-SEAL is available from Re-System (S'pore) Marketing Pte Ltd, the Singapore representative of Re-New System Co Ltd. Tel: (65) 67487262, Fax: (65) 67470991, Email: TurboSeal@re-systemsingapore.com, and Website: www.RE-NEW.co.kr.

#### Upcoming Technology Seminar

Email or fax for information on the must-attend *Re-New Waterproofing + Re-Form Technology Launch Seminar + Reception* on 25 October 2005; for construction & building industry professionals, consultants, specialists and engineers only.

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For more information on :

#### Technology & Product

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