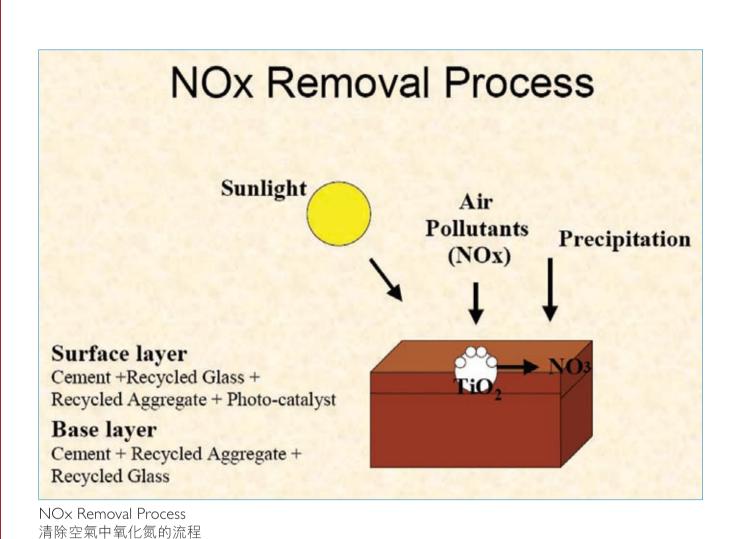
環保再造磚 ECO-BLOCK



具靜化空氣功能的環保再造地磚 Environmentally friendly paving block that can keep the air clean

香港每日產生三百噸玻璃廢料及數以千噸的建築廢物, 這些廢料往往被運送到堆填區作處理,不但加重堆填區 的負荷,亦破壞環境。香港理工大學(理大)研發的環保 玻璃及除廢氣磚採用回收材料生產,利用廢棄玻璃與建 築廢物製作而成,能夠化解空氣中的氮氧化物。此發明 有助紓緩堆填區的壓力,亦可持續減低空氣中的有害物 質,有效地支持政府的「藍天行動」。







One of the Recycled Materials: construction waste 循環再造物料之一: 建築棄料

More than 300 tonnes of glass wastes and thousands of tonnes of construction material are generated daily in Hong Kong and are disposed to the landfill sites which are taking up much of HK's precious landfill resources. Eco-block is an environmentally friend construction material which is made by a patented technology developed by The Hong Kong Polytechnic University. It effectively uses recycled glass and construction waste as major constituents in the production of concrete blocks to remove air pollutants, such as nitrogen oxides (NOx). It not only reduces the disposal of waste, but also conserves the use of natural resources, such as river sand.

Principal Investigator
Prof. Chi-sun Poon
Department of Civil and Structural Engineering
Contact Details

Partnership Development Office

Tel: (852) 3400 2929 Fax: (852) 2333 2410 E-mail: pdadmin@inet.polyu.edu.hk

專利申請編號及國家: 200610169062.0 (中國)

- 能有效清除空氣中污染物的氧化氮
- 環保磚利用循環再造物料取代天然物料而製成
- 符合香港特別行政區土木工程標準
- 吸水力、硬度及外觀上均較傳統磚塊優勝
- 耐用度等同傳統磚塊

田

鋪設於:

- 行人道
- 行車通道

凹

- 2006 年香港環保產品卓越獎 (2006)
- 香港環保建築優異獎 (2006)



Different generations of Eco-Block 環保再造磚不同年代的研發成果



Application of Eco-Block: pavement in PolyU環保再造磚已在理大校院內使用

Patent Application No.: 200610169062.0 (China)

- Air pollutant removal capability
- Able to replace the natural substances by recycled materials as "Green" application
- Equivalent to conventional blocks in all performance requirements that has been fulfilled HKSAR's civil engineering work standards
- Has superiority over conventional blocks in terms of water absorption, hardness and aesthetic values
- Its physical life-span is comparable to the conventional blocks

Paving in:

cial Features and Advantages

Application

- Pedestrian Areas
- Vehicular Areas
- Notable Mention, ECO-Products Award 2006, Hong Kong (2006)
- Merit Award, Green Building Award, Hong Kong (2006)

