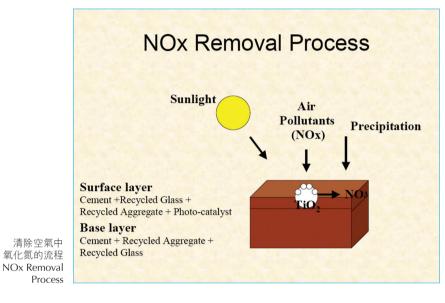


環保再造磚 Eco-Block

具淨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。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」。



專利申請編號及國家: 200610169062.0 (中國)

特色與優點

- 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

應 用

鋪設於:

- 行人道
- 行車通道

獎 項

- 2006 年香港環保產品卓越獎 (2006)
- 香港環保建築優異獎 (2006)
- 第六屆國際發明展覽會-金獎 (2008)
- 澳門基金會發明獎 (2008)





Different generations of Eco-Block



Application of Eco-Block: pavement in PolyU

Patent Application No.: 200610169062.0 (China)

Special Features and Advantages

- 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

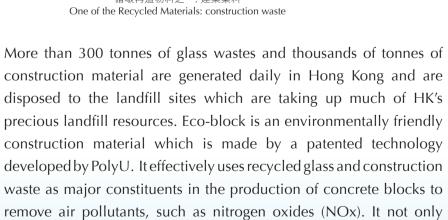
Applications

Paving in:

- Pedestrian Areas
- Vehicular Areas

Awards

- Notable Mention, ECO-Products Award 2006, Hong Kong (2006)
- Merit Award, Green Building Award, Hong Kong (2006)
- Gold Award The 6th International Exhibition of Inventions (2008)
- Best Invention Award from Macao Foundation (2008)



reduces the disposal of waste, but also conserves the use of natural



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resources, such as river sand.

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