多孔隙水泥混凝土鋪面品質改善策略之研究

Porous concrete possess good ability in drainage, sound absorption, skid resistance, and is suitable for the hot and humid environment in Taiwan. Due to its high air voids porous concrete is weaker than conventional concrete. Thus, most applications of porous concrete are limited to pedestrian way, low-volume roads and parking lots. The study focus on quality improves of porous concrete pavement and proposes strategies as well. The test results demonstrated the groups that addition of materials as polymer and pozzlans have good workability, permeability, skid resistance and abrasion resistance. In addition, the mechanism properties of porous concrete have been improved.