

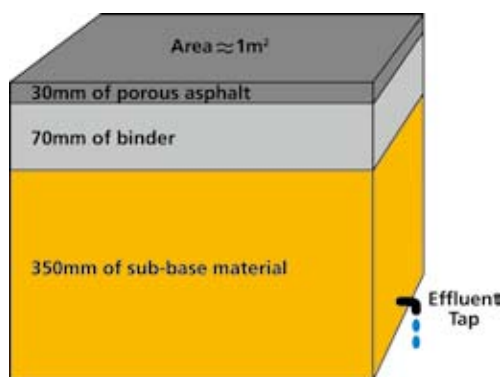


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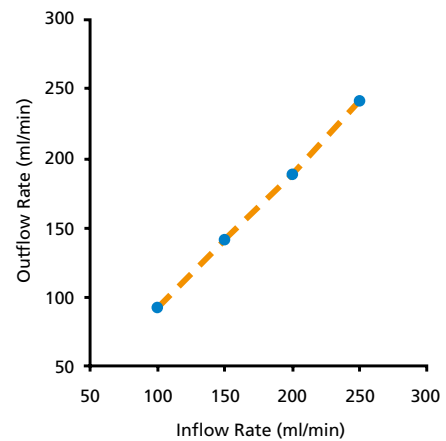
A number of experiments have been performed at Coventry University in which model porous pavement systems surfaced with TarmacDry porous asphalt have been subjected to varying rainfall intensities and the resulting effluent flow rate measured.

Although systematic studies of the flow rate characteristics of the different layers within the structure have not been carried, available results suggest that the structure as a whole does not significantly impede the flow of water.



Test Rig Structure

For example in experiments where simulated rainfall was applied on to a small area (20x10cm) of the surface it was found that within 10 minutes the effluent outflow rate matched that of the tap water feed inflow rate. From this it may be concluded that neither the layers of binder and aggregate or the surface layer appear to impede the flow of water in the PPS.



Plot of Inflow rate vs Outflow rate