

case study :

GIORKIO KINDERGARDEN, CYPRUS

ecoBETA[®]
SAVE WATER, SAVE MONEY

Product	ecoBETA Siphon ecoBETA Swing Tap Flow Reducers
Date	26 June – 14 July 2008
Location	Paralimni Municipality, Famagusta, Cyprus
Principal Managed By	Giorkio Kindergarten Home Solutions & Materials Ltd

highlights

- comprehensive property water saving solution
- over 50% average water saving
- 4,500 litres annual saving

background

During a meeting with the mayor and the municipal advisors of Paralimni, it was decided to carry out a study of the water saving obtained, after the installation of ecoBETA water saving devices, at Giorkio Kindergarten, which is run by Paralimni Municipality.

Giorkio kindergarten is a single storey building. There are seven classes with 170 children and 19 members of staff. Water supply to the building is through water tanks on the roof of the building and there is no pressure system.

aims

- improve water use efficiency
- collect information on water consumption
- determine actual volumes of water saved
- determine overall cost of ecoBETA solution, including installation, in relation to water savings
- demonstrate potential water savings to municipality

the trial

- 19 ecoBETA tap flow reducers on the ground floor sink units, with a reduction of the water flow rate from 4.5L/min to 3L/min.
- 3 ecoBETA tap flow reducers on the basement sink units, with a reduction of the water flow rate from 8L/min to 4L/min.
- 20 ecoBETA siphon WC dual flush conversion kits on all WC siphon flushing valves, so that by pressing and leaving the # lever of the flushing system there is a 3.5l flush, but by pressing and holding the lever for 2-3 sec there is a full flush as before.
- 1 ecoBETA swing WC dual flush conversion kit on a WC storm flushing valve, so that by pressing and leaving the lever of the flushing system there is a 3.5l flush, but by pressing and holding the lever for 2-3 sec there is a full flush as before.

conclusion

- gross saving of 57.99% of water consumption
- This reflects a saving of 53.18% per person per day of gross water consumption

