



WATER MANAGEMENT AND REDUCTION OPPORTUNITIES DURING CONSTRUCTION

WHY SHOULD I IMPROVE WATER MANAGEMENT ON SITE?

The volume of water per m² on 3 Irish case studies ranged from **0.12 to 0.26m³/m²**

while the costs equal up to **€0.28/m²** of the project's floor area

Water Efficiency audits on 3 UK construction sites identified savings of between **15-50%** (WRAP/Mabbett and Associates, 2012)



01 Install a water meter to monitor usage on site.



02 Ensure leaks are fixed promptly.



03 Use a road sweeper with a recirculating water system.



04 Install a tap system and tool washing facility.



05 The use of mortar silos also reduces water usage.



06 Use waterless or recirculating wheel wash systems.



07 In the site accommodation, install low-volume toilet cisterns or cistern water-saving devices.



08 Install push taps on all hand basins.



09 Install an automatic urinal flushing device or use waterless urinals.

THE RESULTS

POTENTIAL SAVING OF UP TO 2.5% ON WATER COSTS

(based on 3 case studies and an assumed profit margin of 1.5%)

