

Document WCM 05



A N R O I N N | DEPARTMENT OF
OIDEACHAIS | EDUCATION
AGUS SCILEANNA | A N D S K I L L S



TO: PRIMARY AND POST PRIMARY SCHOOL AUTHORITIES

Devolved Scheme of Capital Grants for water Conservation Measures in Primary and Post Primary School Buildings

School Satisfactory Completion Document



Planning and Building Unit,
Department of Education and Skills,
Portlaoise Road,
Tullamore,
Co. Offaly.



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Introduction

This form is to be completed by the School Principal and the contractor on completion of the works. It will also act as a guide for the items that should be checked at completion of the project and handover.

School Details

School Name	
School Roll No	
Address	
Contact Name	

Contractor's Details

Contractor's Name	
Address	
Telephone and email contact details	

I wish to confirm that the water conservation works comply in full with the Contractor's Code of Practice and Standards and Specifications Guidelines WCM 02 for this scheme as inspected and demonstrated to the school on the date below.

Contractor's signature		Date:
Contractor's name printed		

I wish to confirm that the water conservation works have been completed and demonstrated to me, I have participated in completing page 3 & 4 of this document and that I am satisfied with the works .

School representative's signature		Date:
School representative's name printed		

To be completed by the School Representative and Contractor during final inspection / handover

Item Ref	Item	Yes	No
1.	Contractor visited school and inspected all works prior to tendering		
2.	Contractor has shown evidence that product used have Water Regulations Advisory Scheme (WRAS) approval or other independent test laboratory accredited to ISO 17025. Alternatively supplier companies accredited to ISO 9001 may provide a declaration of conformity with the regulations.		
3.	All equipment and fittings are installed in accordance with the local authorities' water regulations and any specifications laid out by the equipment manufacturers and supplier and in accordance with the relevant standards and those specified in scheme document WCM 02.		
4.	Ballofix type isolation valves have been installed on all systems as indicated in the schematics included in document WCM 02. i.e. all fittings can be individually isolated.		

5.	The urinal control units are battery powered		
6.	The urinal control units are powered by electrical mains		
7.	It has been demonstrated to the school how to set the timing on the valve opening to set the fill cycle from flush to flush on the urinal controls		
8.	It has been demonstrated to the school how to set the time delay and valve opening on the urinal controls		
9.	It has been demonstrated to the school how to test the urinal controls, detection and operation systems		
10.	A full set on operation and maintenance instructions have been left with the school for the urinal controls		

11.	Variable flushing devices have been installed		
12.	It has been demonstrated to the school how to these operate and any maintenance they require		
13.	It has been demonstrated to the school (using toilet paper in the bowl) that the toilet flushes correctly and the bowl empties with these systems in place.		
14.	A full set on operation and maintenance instructions have been left with the school for the flushing devices		

15.	Water dams and displacement devices in WC's have been installed		
16.	It has been demonstrated to the school how to these operate and any maintenance they require		
17.	It has been demonstrated to the school (using toilet paper in the bowl) that the toilet flushes correctly and the bowl empties with these systems in place.		
18.	A full set on operation and maintenance instructions have been left with the school for these devices		

19.	Have percussion taps have been installed on the wash hand basins?		
20.	The run time has been agreed and set to the school's satisfaction		
21.	It has been demonstrated to the school that each tap is capable of delivering 0.5 litres of water (using a calibrated jug) in 20 seconds		
22.	A full set on operation and maintenance instructions have been left with the school for all the taps along with any special tools required for adjustment.		

23.	Have thermostatic mixings valves (TMV type 3) been installed?		
24.	It has been demonstrated to the school that each tap fitting with a TMV3 is capable of delivering 0.5 litres of water (using a calibrated jug) in 20 seconds		
25.	A full set on operation and maintenance instructions have been left with the school.		
26.	Has a commissioning sheet as included in appendix 1 of this document been completed in full and handed over to the school for each TMV Type3 ?		
27.	Has a TMV log sheet as included in appendix 2 of this document been completed in full and handed over to the school noting all TMV locations and details ?		

Appendix One: Thermostatic Mixing Valves Commissioning Sheet

To be completed by the Contractor

TMV Reference Number (must be compatible with log sheet ref no)		
Manufacturer		
Model, Type and Designation of TMV Type 3		
Installation Date		
Set water Temperature at Outlet °C		
Temperature measuring device used, make, model, serial no date of last calibration		
Hot water delivery Pressure.....bar		
Hot water delivery Temperature °C		
Cold water delivery Pressurebar		
Cold water delivery Temperature.....°C		
Mixed temperature water flow rate.....litres per minute		
Does the valve comply with WCM 02 specification?	Yes	No
Are the hot & Cold water Delivery Pressures within the range of the valve Specification?	Yes	No
Are the hot & cold water Delivery Temperatures within the range of the valve Specification?	Yes	No
Does the cold water non return valve work correctly?	Yes	No
Does the hot water non return valve work correctly?	Yes	No
Valve Outlet Temperature at full flow rate. °C		
Valve Outlet Temperature at set flow rate. °C		
Isolate cold water to the valve and simultaneously record the highest temperature at the valve. _____°C. Does this meet manufacturer's standards?		

I wish to confirm that the Thermostatic Mixing Valves have been **fully commissioned** and comply in full with the Contractors Code of Practice and Standards and Specifications Guidelines WCM 02 and the manufacturer's recommendations as inspected and demonstrated to the school on the date below.

Contractor's Trading name		
Contractor's Signature		Date:
Contractor's name printed		

