

<b>5</b>	<b>WATER USE</b>	<b>5.1 WATER CONSERVATION</b>	
		<b>WU 5 WATER EFFICIENT APPLIANCES</b>	
<b>EXCLUSIONS</b>	Buildings in which facilities and/or appliances are not installed by the developer.		1
<b>OBJECTIVE</b>	Encourage the wider use of water efficient facilities and appliances.		
<b>CREDITS ATTAINABLE</b>	1		
<b>PREREQUISITES</b>	None.		
<b>CREDIT REQUIREMENT</b>	1 credit for installing water efficient appliances that have Water Efficiency Labelling Scheme Grade 2 or above.		
<b>ASSESSMENT</b>	The Client shall provide details of all the appliances installed in the building.		
	Where all appliances with Water Efficiency Labelling Scheme (WELS) Grade 2 or above are provided this credit shall be achieved.		2
	The appliances which are not covered in WELS or equivalent system shall be excluded in the calculation.		3
<b>BACKGROUND</b>	Water use in washing machines, dishwashers in homes, in hotel laundries, etc., can be a substantial part of fresh water consumption. Likewise, there is an opportunity for reducing water loss from water features and recreational facilities. BEAM encourages attention to the selection of water efficient equipment and design of water using facilities that include means to save water.		

## EU 9 Energy Efficient Appliances

## EU 10 Testing and Commissioning

## EU 12 Metering and Monitoring

### Water Use

#### WU P1 Water Quality Survey

#### WU P2 Minimum Water Saving Performance

#### WU 1 Annual Water Use

#### WU 5 Water Efficient Appliances

##### #75. WU 5, For BEAM Plus New Buildings Version 1.2, how is WU 5 applied to different building types?

The objective of this credit is to encourage the wider use of water efficient appliances in domestic premises, therefore this credit is only applicable to domestic buildings[1] and water appliances are provided by developer.

To achieve this under BEAM Plus New Buildings Version 1.2, water appliances shall have WSD WELS label Grade 1 or 2.

Equipment not listed in the WSD WELS scheme (for example commercial dishwashing machines) are excluded from assessment under this credit.

[1] Domestic buildings shall mean domestic premises, apartment buildings, serviced apartments, university halls of residence, residential buildings, care homes, hospice, or buildings providing similar residential accommodation.

(Obsolete as of 12 July 2019)

##### #76. WU 5, For BEAM Plus New Buildings Version 1.1, how is WU 5 applied to different building types?

The objective of this credit is to encourage the wider use of water efficient appliances in domestic premises, therefore this credit is only applicable to domestic buildings[1] and water appliances are provided by developer.

To achieve this under BEAM Plus New Buildings Version 1.1, water appliances shall demonstrate the water use efficiency is 20% better than same capacity appliances on the market, or have WSD WELS label Grade 1 or 2.

[1] Domestic buildings shall mean domestic premises, apartment buildings, serviced apartments, university halls of residence, residential buildings, care homes, hospice, or buildings providing similar residential accommodation.

(Obsolete as of 12 July 2019)

##### #77. WU 5, For BEAM Plus New Buildings Version 1.1 & 1.2, how is WU 5 applied to different building types?

The objective of this credit is to encourage the wider use of water efficient appliances in domestic premises, therefore this credit is only applicable to domestic buildings[1] and water appliances are provided by developer.

[1] Domestic buildings shall mean domestic premises, apartment buildings, serviced apartments, university halls of residence, residential buildings, care homes, hospice, or buildings providing similar residential accommodation.

(Released on 12 July 2019)

##### #78. WU 5, For BEAM Plus New Buildings Version 1.1 & 1.2, what type of appliances shall be included into the assessment of this credit?

The assessment of this credit ONLY covers washing machines that have washing capacity normally not exceeding 10 kg for household use.

Washing machines that have larger capacity or for industrial use or have no spin extraction capacity or use non-electric sources are excluded from the assessment of this credit.

(Released on 12 July 2019)

##### #79. WU 5, For BEAM Plus New Buildings Version 1.1 & 1.2, what type of washing machine would meet the credit requirement and what type of substantiations shall be provided to justify for the performances of the washing machine?

1. For horizontal drum type washing machines, the machine shall achieve water efficiency or Grade 1 or 2 or water consumption equivalent to 11.0 litre/kg/cycle or less.

2. For impeller type or agitator type washing machines, the machine shall achieve water efficiency of Grade 1 or 2 or water consumption equivalent to 19.0 litre/kg/cycle or less.

For the machine specified above, the Applicant shall substantiate the claimed water consumption performances by submitting either (i) extracted records from the registers of WELS products published by Water Supplies Department or (ii) technical data showing the claimed water consumption and the methodology used in measuring the claimed water consumption [1].

Please also note that the criteria on water use efficiency is 20% better than same capacity appliances on the market under BEAM Plus v.1.1 is no longer applicable to the credit. However, if certain calculation methodology has been approved in PA, the Technical Review Committee shall continue to honor such methodology during FA.

[1] The claimed water consumption shall be measured in accordance with IES 60456, JIS C 9606, or other equivalent international standards as stipulated under The Voluntary Water Efficiency Labelling Scheme on Washing Machines.

(Released on 12 July 2019)

## Indoor Environmental Quality

### IEQ P1 Minimum Ventilation Performance

#### IEQ 1 Security

#### IEQ 2 Plumbing and Drainage

#### IEQ 4 Waste Disposal Facilities

#### IEQ 5 Construction IAQ Management

#### IEQ 6 Outdoor Sources of Air Pollution

#### IEQ 7 Indoor Sources of Air Pollution

#### IEQ 9 Increased Ventilation

#### IEQ 10 Background Ventilation

#### IEQ 11 Localised Ventilation

#### IEQ 12 Ventilation in Common Areas

#### IEQ 14 Thermal Comfort in Naturally Ventilated Premises

#### IEQ 15 Natural Lighting

#### IEQ 16 Interior Lighting in Normally Occupied Areas

#### IEQ 17 Interior Lighting in Areas Not Normally Occupied

#### IEQ 18 Room Acoustics

#### IEQ 19 Noise Isolation

#### IEQ 20 Background Noise

#### IEQ 21 Indoor Vibration

#### IEQ 22 Access for Persons with Disability

#### IEQ 23 Amenity Features