

16 Strawberry Hill Road, Twickenham, TW1 4PT

Water Standards Statement

Introduction

This Water Standards Statement has been prepared to support the planning application for the change of use at 16 Strawberry Hill Road, Twickenham. The statement demonstrates compliance with the mandatory national technical standard for water efficiency of 110 litres per person per day, including an allowance of 5 litres or less per person per day for external water consumption.

Water Efficiency Measures

The following water-efficient fixtures and fittings will be installed to ensure compliance with the required standard:

Internal Water Use

1. WC Units
2. Dual flush toilets (4/2.6 litre flush) with estimated usage of 18.9 litres per person per day
3. Bathroom Taps
4. Flow-restricted basin taps with aerators (maximum 5 litres/minute)
5. Estimated usage of 8.5 litres per person per day
6. Shower Facilities
7. Water-efficient showerheads (maximum 8 litres/minute)
8. Estimated usage of 39.8 litres per person per day
9. Kitchen Taps
10. Flow-restricted kitchen taps with aerators (maximum 6 litres/minute)
11. Estimated usage of 25.6 litres per person per day
12. White Goods
13. Water-efficient dishwasher (12 litres per cycle)
14. Water-efficient washing machine (45 litres per cycle)
15. Combined estimated usage of 12.2 litres per person per day

External Water Use

- Water butt installation for garden irrigation
- Drought-resistant plant selection
- Maximum allowance of 5 litres per person per day

Water Consumption Calculation

Total estimated water consumption:

- Internal water usage: 105 litres per person per day
- External water usage: 5 litres per person per day
- Total: 110 litres per person per day

Compliance Statement

The proposed development will achieve the target consumption of 110 litres per person per day through:

- Installation of water-efficient fixtures and fittings
- Use of flow restrictors and aerators
- Specification of water-efficient appliances
- Implementation of water-efficient external features
- Water metering

Monitoring and Maintenance

To ensure continued compliance:

- Water meters will be installed to monitor consumption
- Residents will receive information on water-efficient usage
- Regular maintenance schedule for all water fittings
- Annual water consumption monitoring

Conclusion

The proposed development at 16 Strawberry Hill Road will meet the mandatory national technical standard for water efficiency. The specified fixtures, fittings, and appliances will ensure that water consumption does not exceed 110 litres per person per day, including external water use.