



Building Class

Our properties revealed

This comprehensive and unique building database enables you to identify all residential properties by age and type of structure. **Building Class** provides a detailed perspective of the urban environment for a wide range of applications as diverse as long term strategic planning, urban regeneration, crime reduction and direct marketing.

The classification format has been developed to give the optimum description of all possible building types providing an easy to use and robust scheme. Information on house ages, ranging from pre-Victorian through to modern day, and structural types, from tower blocks to terraces, are included.

This highly detailed database enables thorough analysis at the building level and integrates with other geographic and non-geographic databases.

Building Class reveals the detailed make up of the urban and suburban environment in which we live. This data is derived from a single source (Cities Revealed **Modern** aerial imagery and verified by

field survey*), providing consistency and confidence in the data.

Building Class integrates with the Cities Revealed product portfolio including **Land Use, Building**

Heights and Thermal Mapping to provide a more comprehensive understanding of the world.

*where required

Case Study

Three Valleys Water

Utility Maintenance Program

Three Valleys Water is the largest water-only supplier in the UK, providing more than 870 million litres of water every day to three million customers. It uses Cities Revealed **Building Class** information in its capital maintenance program, as part of the company's predictive model building process.



*"The building age and type information within **Building Class** provides valuable data that we need to help assess certain assets within the distribution system. Having this information in one place, from one source is extremely cost-effective and will mean that we use our resources more efficiently."*

Steven Anderson, GIS Manager, Three Valleys Water

Features

- 96 class database for all residential buildings
- 7 age bands from pre-Victorian to modern day
- 17 structure types from tower blocks to bungalows
- Integrated with Ordnance Survey MasterMap™
- Major UK cities available
- Geographically enabled polygon vector databases
- Available in major GIS formats
- Derived by visual interpretation and classification from Cities Revealed Modern aerial imagery
- Field verification by architectural and landscape experts provides a high level of accuracy and consistency
- Detailed building block or individual property outline supplied
- Building point data available
- Address matching options available
- Postcode sector analysis available

Classifications

AGE

1. Historic to end Georgian -1837
2. Early and Middle Victorian 1837-1870
3. Late Victorian/Edwardian 1870-1914
4. World War 1 - World War 2 1914-1945
5. Post war regeneration 1945-1964
6. Sixties/seventies 1964-1979
7. Recent years 1979-photo date

Benefits

With a building-by-building approach **Building Class** provides a highly detailed picture of the urban structure so improving modelling and leading to more informed decision-making.

This highly flexible data set can be updated and edited as housing stock changes.

The easy-to-use classification scheme means there is no additional training requirement to use **Building Class**. Once installed users can begin their analysis without delay.

Direct integration with standard digital mapping products and other geographic data provides a powerful analysis tool.

Investing in quality assured **Building Class** information reduces the need to spend time and money collecting data.

Applications

Building Class can be utilised in many applications, a few of which are listed below.

- Estate management
- Property development
- Water pipe replacement planning
- Direct marketing
- Lifestyle modelling
- Urban renewal support
- Network modelling
- Insurance risk assessment
- Crime analysis
- Strategic planning
- Fire prevention schemes

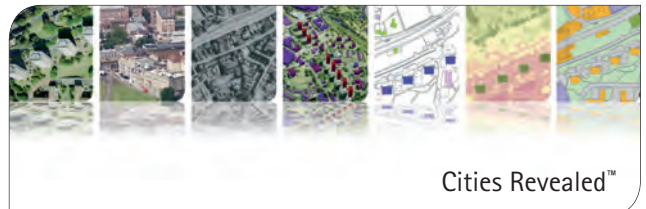
STRUCTURE

1. Very Tall Flats (point blocks)
2. Tall flats 6-15 storeys (slabs)
3. Medium height flats 5-6 storeys
4. Lower 3-4 storey and smaller flats, detached and linked
5. Tall terraces 3-4 storeys
6. Low terraces, 2 storeys with large T-rear extension
7. Low terraces, small
8. Linked and step linked houses, 2-3 or mixed 2 and 3 storeys
9. Planned balanced-mixed estates
10. Standard size semis
11. Semi type house in multiples of 4,6,8 etc.
12. Large property semis
13. Smaller detached houses
14. Large detached houses
15. Very large detached houses, sometime now flats
16. Bungalows, both detached and semi detached
17. Single storey small houses



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