

**Title :**Urban Greening Factor Calculation  
**Project :**Former Comag Works, West Drayton  
**Client :**Bellway Homes Limited (North London)

**Date :**02.12.2022  
**Project number :**7943  
**Revision :**D



**Drawings:**

7943.GF.PP.1.0 Rev B  
 7943.FF.PP.1.1 REV D  
 7943.TRG.PP.1.2 Rev G

| Urban Greening Factor Calculator  |        |           |              |   |
|---|--------|-----------|--------------|---|
| Surface Cover Type  | Factor | Area (m²) | Contribution | Notes   |
| Semi-natural vegetation (e.g. trees, woodland, species-rich grassland) maintained or established on site.   | 1      | 0         | 0            | N/A   |
| Wetland or open water (semi-natural; not chlorinated) maintained or established on site.  | 1      | 0         | 0            | N/A   |
| Intensive green roof or vegetation over structure. Substrate minimum settled depth of 150mm.  | 0.8    | 448       | 358.4        | First floor- planting area without hedges - 372m2.<br>Top floor - ornamental planting -66m2.  |
| Standard trees planted in connected tree pits with a minimum soil volume equivalent to at least two thirds of the projected canopy area of the mature tree. | 0.8    | 16        | 12.8         | Trees has been calculated with estimated mature canopy.<br>Ground floor -two standard trees , canopy diameter 3m  |
| Extensive green roof with substrate of minimum settled depth of 80mm (or 60mm beneath vegetation blanket) – meets the requirements of GRO Code 2014.        | 0.7    | 951       | 665.7        | First floor - extensive green roof ( wildflower mats) instead of amenity gras - 131m2<br>Top floor - additional extensive green roof -vegetation blanket - 820m2                                      |
| Flower-rich perennial planting.   | 0.7    | 121       | 84.7         | N/A   |
| Rain gardens and other vegetated sustainable drainage elements.   | 0.7    | 0         | 0            | N/A   |
| Hedges (line of mature shrubs one or two shrubs wide).  | 0.6    | 62        | 37.2         | First floor 49m2 .<br>Top floor - 13m2  |
| Standard trees planted in pits with soil volumes less than two thirds of the projected canopy area of the mature tree.                                      | 0.6    | 50        | 30           | Trees has been calculated with estimated mature canopy.<br>First floor - 7 no x 5=35m2multistemmed trees, canopy diameter 2.5m.<br>Top floor - 3no.x 5=15 m2 Multistemmed trees, canopy diameter 2.5m |
| Green wall –modular system or climbers rooted in soil.  | 0.6    | 85        | 51           | First floor- additional instant climbers panells 1.55mHx 46mL=71m2.<br>Top floor- additional instant climbers panells 2mHx 7mL=14m2   |
| Groundcover planting.   | 0.5    | 0         | 0            | Ground floor - mix ornamental planting  |
| Amenity grassland (species-poor, regularly mown lawn).  | 0.4    | 193       | 77.2         | First floor- turf area 193m2  |
| Extensive green roof of sedum mat or other lightweight systems that do not meet GRO Code 2014.  | 0.3    | 0         | 0            | N/A   |
| Water features (chlorinated) or unplanted detention basins.   | 0.2    | 0         | 0            | N/A   |
| Permeable paving.   | 0.1    | 585       | 58.5         | Ground floor -Hydropave Pedesta block paving 285 m2 ,<br>First floor - resin bound gravel, rubber paving -300m2.  |
| Sealed surfaces (e.g. concrete, asphalt, waterproofing, stone).   | 0      | 326       | 0            | Ground floor -asphalt, flag paving - 93m2.<br>Top floor - , porcelain paving - 233m2  |
| Total contribution  |        |           | 1375.5       |   |
| Total site area (m²)  |        |           | 3465         |   |
| Urban Greening Factor   |        |           | 0.3969697    |   |