HOUSING SMART CONSTRUCTION DASHBOARD

COST

The cost of building a new home of any given size

Progress Measured October 2018

CAPITAL COST

 \pm/m^2

BENCHMARK¹ 1850 **2020 TARGET**

1480



PRELIMS COST PER HOME **BUILT**



BENCHMARK² TBC % **2020 TARGET**

TBC %



HOMES COMPLETED /YEAR

The number of completely new homes created per year in the UK

NUMBER OF HOMES

Homes per year



BENCHMARK³ 146,909 **2020 TARGET** 300,000



QUALITY

The freedom from faults of new homes when they are handed over to the customers

QUALITY RATING

BENCHMARK⁷ 99.4 %

2020 TARGET 99.5 %



ISO 9001



BENCHMARK⁸ TBC % **2020 TARGET**

TBC %



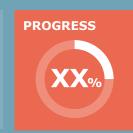
SMART

How efficiently human labour is used in the creation of new homes

PMV

BENCHMARK⁹ 40% **2020 TARGET**

50%



PRODUCTIVITY

£/man hour



BENCHMARK¹⁰

2020 TARGET £31



BIM LEVEL 2+

BENCHMARK¹¹ TBC % **2020 TARGET** TBC %



Construction Leadership Council

SUSTAINABILITY

How environmentally friendly new homes are, both in construction and in use

EMBODIED CARBON

kgCO₂e/m²



BENCHMARK⁴ 875

2020 TARGET 700



EPC RATING

Integer



BENCHMARK⁵

2020 TARGET



WASTE GENERATED

m³/£100k project value



BENCHMARK⁶ 10.2

2020 TARGET

8.2



TIME

The time taken to create a new home, from the day that workers first arrive on site, to handover of the habitable building

TIME ON SITE

days/m²



BENCHMARK³ 0.17

2020 TARGET 0.14

PROGRESS

SAFETY

How effectively the wellbeing of the workers building new homes is protected on site

SAFETY

Injuries per million hours worked

BENCHMARK¹² 2.24

2020 TARGET

1.79



BENCHMARK SOURCES

- BuildOffsite, 19/01/2018 Source TBC. 19/01/2018 bresmartsite.com/products/smartwaste, 19/01/2018
- 19/01/2018
 4 rics.org/Global/Methodology_to_calcu-late_embodied_carbon_1st_edition_PGguid-ance_2014.pdf, 19/01/2018
 5 gov.uk/government/statistical-data-sets/live-tables-on-energy-performance-of-buildings-certificates, 19/01/2018
 6 BRE SmartWaste data, 19/01/2018

- NHBC Data, 19/01/2018 NHBC Survey to be carried out, 19/01/2018 CLC Measures Group agreed figure from information from Mark Farmer, 28/03/2018
- ons.gov.uk/employmentandlabourmarket/peoplein-work/labourproductivity/ datasets/annualbreakdownofcontributionswholeecon-omyandsectors, 19/01/2018 NHBC Survey to be carried out, 19/01/2018 HSE RIDIND data and ASHE data for hours worked, 19/01/2018