



## SUSTAINABILITY & RESPONSIBLE RESOURCING REPORT 2018

### Precast Concrete Blocks and Concrete Pavers

| Sustainability Principle   | Performance Indicator  | Unit of Measure   | Year   | PLASMOR PERFORMANCE            |                           | SECTOR PERFORMANCE      |       | BPCF | Target 2020  |
|--|--|---|--|--------------------------------|---------------------------|-------------------------|-------|------|--|
|  |  |   |  | Concrete Blocks (LW and Dense) | Concrete Blocks (Aerated) | Paving Blocks and Flags |       |      |  |
| Climate change and energy  | Energy used in production as a proportion of production output | kWh/tonne   | 2012   | 55.1                           | 23.7                      | n/a                     | 37.0  | 50.6 | Reduce overall kWh/tonne of energy used in production by 10% against 2012 baseline |
|  |  |   | 2013   | 45.2                           | 20.2                      | 256.6                   | 36.4  | 47.8 |  |
|  |  |   | 2014   | 43.5                           | 18.2                      | 154.8                   | 26.7  | 48.6 |  |
|  |  |   | 2015   | 44.2                           | 18.0                      | 228.0                   | 32.4  | 47.8 |  |
|  |  |   | 2016   | 42.9                           | 19.4                      | 240.2                   | 48.3  | 52.9 |  |
|  |  |   | 2017   | 48.4                           | 25.5                      | 239.1                   | 43.0  | 53.7 |  |
|  |  |   | 2018   | 37.6                           |                           |                         |       | 44.5 |  |
|  |  |   | CO <sub>2</sub> emissions as a proportion of production output | kg CO <sub>2</sub> per tonne   | 2012                      | 13.2                    | 7.11  | n/a  |  |
|  | 2013   | 10.6  |  |                                | 5.47                      | 56.1                    | 11.7  | 12.7 |  |
|  | 2014   | 10.5  |  |                                | 5.43                      | 35.1                    | 8.9   | 12.9 |  |
|  | 2015   | 9.9   |  |                                | 4.87                      | 50.2                    | 10.8  | 12.5 |  |
|  | 2016   | 9.5   |  |                                | 4.96                      | 50.9                    | 12.8  | 12.9 |  |
|  | 2017   | 10.5  |  |                                | 5.84                      | 49.2                    | 11.7  | 12.5 |  |
|  | Resource Use   | % of additional cementitious materials as a proportion of total cementitious materials used (excluding quicklime) | %  | 2012                           | 8.6                       | 16.2                    | n/a   | 30.6 | 18.8   |
| 2013   |  |   |  | 7.8                            | 19.4                      | 37.4                    | 31.3  | 18.8 |  |
| 2014   |  |   |  | 6.1                            | 13.8                      | 5.4                     | 25.1  | 16.6 |  |
| 2015   |  |   |  | 7.7                            | n/a                       | n/a                     | n/a   | 15.9 |  |
| 2016   |  |   |  | 12.6                           | n/a                       | n/a                     | n/a   | 14.0 |  |
| 2017   |  |   |  | 11.9                           | n/a                       | n/a                     | n/a   | 18.1 |  |
| 2018   |  |   |  | 22.1                           |                           |                         |       | 21.0 |  |
| Recycled/secondary aggregate use as a proportion of total aggregate used |  |   |  | %                              | 2012                      | 53.4                    | 20.6  | n/a  | 0.7  |
|  |  | 2013  | 54.1   |                                | 26.4                      | 84.2                    | 3.7   | 20.7 |  |
|  |  | 2014  | 47.8   |                                | 24.4                      | 99.5                    | 4.9   | 22.3 |  |
|  |  | 2015  | 41.0   |                                | 21.3                      | 100                     | 5.6   | 19.0 |  |
|  |  | 2016  | 34.6   |                                | 21.3                      | 99.2                    | 5.8   | 21.8 |  |
|  |  | 2017  | 20.2   |                                | 16.0                      | 100                     | 2.96  | 20.9 |  |
| Water  |  | Mains water use as a proportion of production output  | litres per tonne   | 2012                           | 62.6                      | 47.3                    | n/a   | 68.8 | 84.5   |
|  | 2013   |   |  | 71.4                           | 44.8                      | 356.3                   | 55.1  | 83.7 |  |
|  | 2014   |   |  | 70.2                           | 40.5                      | 258.4                   | 66.7  | 92.6 |  |
|  | 2015   |   |  | 74.3                           | 62.0                      | 379.2                   | 61.9  | 93.2 |  |
|  | 2016   |   |  | 50.0                           | 37.8                      | 323.5                   | 60.6  | 76.8 |  |
|  | 2017   |   |  | 39.5                           | 34.7                      | 338.6                   | 57.33 | 79.7 |  |
|  | 2018   |   |  | 46.5                           |                           |                         |       | 71.7 |  |



| Sustainability Principle  | Performance Indicator                              | Unit of Measure                                   | Year   | PLASMOR PERFORMANCE            |                           |  | SECTOR PERFORMANCE |      | BPCF                       | Target 2020 |
|---------------------------|--|---|--|--------------------------------|---------------------------|--|--------------------|------|----------------------------|-------------|
|                           |  |   |  | Concrete Blocks (LW and Dense) | Concrete Blocks (Aerated) | Paving Blocks and Flags                        |                    |      |                            |             |
| Waste Management          | Factory waste as a proportion of production output | kg/tonne  | 2012   | 19.0                           | 33.3                      | n/a  | 55.9               | 39.8 | Reduce by 10% against 2012 |             |
|                           |  |   | 2013   | 17.7                           | 10.1                      | 51.3   | 28.1               | 26.5 |                            |             |
|                           |  |   | 2014   | 27.6                           | 14.5                      | 68.0   | 55.2               | 33.8 |                            |             |
|                           |  |   | 2015   | 12.3                           | 17.0                      | 46.3   | 50.6               | 39.3 |                            |             |
|                           |  |   | 2016   | 11.6                           | 15.7                      | 38.4   | 43.7               | 33.1 |                            |             |
|                           |  |   | 2017   | 16.3                           | 14.0                      | 68.8   | 44.5               | 30.5 |                            |             |
|                           |  |   | 2018   | 17.5                           |                           |  |                    | 32.0 |                            |             |
|                           |  |   | Waste to landfill as a proportion of production output | kg/tonne                       | 2012                      | 0.14   | 0.44               | n/a  |                            | 4.04        |
|                           | 2013   | 0.11  |  |                                | 0.28                      | 0.07   | 1.68               | 1.00 |                            |             |
|                           | 2014   | 0.08  |  |                                | 0.31                      | 0.05   | 1.61               | 0.73 |                            |             |
|                           | 2015   | 0.10  |  |                                | 0.38                      | 0.07   | 0.37               | 0.48 |                            |             |
|                           | 2016   | 0.03  |  |                                | 0.17                      | 0.06   | 0.19               | 0.30 |                            |             |
|                           | 2017   | 0.07  |  |                                | 0.09                      | 0.06   | 0.22               | 0.25 |                            |             |
|                           | 2018   | 0.03  |  |                                |                           |  |                    | 0.25 |                            |             |
|                           | Transport Impacts                                  | All Plasmor Transport                             |  |                                | To be determined          | Telemetrics introduced to improve data capture |                    |      |                            |             |
|                           | Management Systems                                 | QUALITY<br>Tonnage production covered by ISO 9001 | %  | 2012                           | 100                       | 87.5   | n/a                | 100  | 90.7                       | 95%         |
| 2013                      |  |   |  | 100                            | 76.2                      | 97.5   | 99.4               | 91.0 |                            |             |
| 2014                      |  |   |  | 100                            | 83.7                      | 97.1   | 100                | 90.0 |                            |             |
| 2015                      |  |   |  | 100                            | 75.2                      | 97.2   | 99.2               | 87.3 |                            |             |
| 2016                      |  |   |  | 100                            | 74.2                      | 95.8   | 99.2               | 86.0 |                            |             |
| 2017                      |  |   |  | 100                            | 92.3                      | 95.3   | 99.0               | 96.0 |                            |             |
| 2018                      |  |   |  | 100                            |                           |  |                    | 93.0 |                            |             |
| Sites covered by ISO 9001 |  |   |  | %                              | 2012                      | 100  | 87.5               | n/a  | 100                        |             |
|                           |  | 2013  | 100  |                                | 69.6                      | 87.5   | 96.1               | 85.1 |                            |             |
|                           |  | 2014  | 100  |                                | 62.6                      | 87.5   | 100                | 80.6 |                            |             |
|                           |  | 2015  | 100  |                                | 66.0                      | 87.5   | 96.4               | 83.0 |                            |             |
|                           |  | 2016  | 100  |                                | 66.7                      | 87.5   | 96.3               | 84.1 |                            |             |
|                           |  | 2017  | 100  |                                | 89.8                      | 87.5   | 94.7               | 92.0 |                            |             |
|                           |  | 2018  | 100  |                                |                           |  |                    | 95.9 |                            |             |



| Sustainability Principle | Performance Indicator   | Unit of Measure   | Year | PLASMOR PERFORMANCE            |                           | SECTOR PERFORMANCE      |      | BPCF | Target 2020 |      |
|--------------------------|---|---|------|--------------------------------|---------------------------|-------------------------|------|------|-------------|------|
|                          |   |   |      | Concrete Blocks (LW and Dense) | Concrete Blocks (Aerated) | Paving Blocks and Flags |      |      |             |      |
| Management Systems       | ENVIRONMENTAL<br>Tonnage production covered by ISO 14001 or BS 8555 | %   | 2012 | 100                            | 92.6                      | n/a                     | 97.5 | 88.3 | 95%         |      |
|                          |   |   | 2013 | 100                            | 84.2                      | 100                     | 97.2 | 84.5 |             |      |
|                          |   |   | 2014 | 100                            | 87.0                      | 100                     | 100  | 83.4 |             |      |
|                          |   |   | 2015 | 100                            | 91.2                      | 100                     | 100  | 90.9 |             |      |
|                          |   |   | 2016 | 100                            | 89.8                      | 100                     | 100  | 88.5 |             |      |
|                          |   |   | 2017 | 100                            | 94.3                      | 100                     | 100  | 91.4 |             |      |
|                          |   |   | 2018 | 100                            |                           |                         |      | 90.0 |             |      |
|                          |   |   | 2012 | 100                            | 91.7                      | n/a                     | 92.3 | 81.1 |             | 95%  |
|                          |   |   | 2013 | 100                            | 77.1                      | 100                     | 94.6 | 75.7 |             |      |
|                          | 2014  | 100   | 80.2 | 100                            | 100                       | 74.0                    |      |      |             |      |
|                          | 2015  | 100   | 87.0 | 100                            | 100                       | 86.3                    |      |      |             |      |
|                          | 2016  | 100   | 85.1 | 100                            | 100                       | 86.6                    |      |      |             |      |
|                          | 2017  | 100   | 91.9 | 100                            | 100                       | 87.9                    |      |      |             |      |
|                          | 2018  | 100   |      |                                |                           | 89.6                    |      |      |             |      |
|                          | RESPONSIBLE SOURCING OF MATERIALS                                   | Tonnage production covered by BES 6001  | %    | 2012                           | 0                         | 69.5                    | n/a  | 99.9 | 71.1        | 95%  |
|                          |   |   |      | 2013                           | 100                       | 69.5                    | 94.7 | 98.5 | 74.1        |      |
|                          |   |   |      | 2014                           | 100                       | 76.2                    | 94.9 | 99.1 | 73.3        |      |
|                          |   |   |      | 2015                           | 100                       | 72.3                    | 97.2 | 99.1 | 78.3        |      |
|                          |   |   |      | 2016                           | 100                       | 67.1                    | 95.8 | 99.2 | 70.3        |      |
|                          |   |   |      | 2017                           | 100                       | 76.9                    | 95.3 | 99.0 | 77.5        |      |
|                          |   |   |      | 2018                           | 100                       |                         |      |      | 76.0        |      |
|                          |   |   |      | Sites covered by BES 6001      | %                         | 2012                    | 100  | 77.1 | n/a         |      |
|                          |   | 2013  | 100  |                                |                           | 54.7                    | 75.0 | 96.8 | 57.6        |      |
|                          |   | 2014  | 100  |                                |                           | 71.7                    | 87.5 | 96.4 | 62.6        |      |
| 2015                     |   | 100   | 66.0 |                                |                           | 87.5                    | 96.4 | 62.6 |             |      |
| 2016                     |   | 100   | 58.8 |                                |                           | 87.5                    | 96.3 | 62.6 |             |      |
| 2017                     |   | 100   | 77.6 |                                |                           | 87.5                    | 95.0 | 67.4 |             |      |
| 2018                     |   | 100   |      |                                |                           |                         |      | 66.1 |             |      |
| Employment and skills    |   | % of employees covered by UKAS certified 9001/14001/18001 (Training and Competence) | %    | 2012                           | 94.0                      | 83.4                    | n/a  | 99.2 | 98.5        | 100% |
|                          | 2013  |   |      | 94.0                           | 86.6                      | 100                     | 98.8 | 93.2 |             |      |
|                          | 2014  |   |      | 94.0                           | 100                       | 100                     | 100  | 97.0 |             |      |
|                          | 2015  |   |      | 100                            | 96.5                      | 100                     | 100  | 98.1 |             |      |
|                          | 2016  |   |      | 100                            | 96.4                      | 100                     | 100  | 98.8 |             |      |
|                          | 2017  |   |      | 100                            | 98.7                      | 100                     | 100  | 97.1 |             |      |
|                          | 2018  |   |      | 100                            |                           |                         |      | 99.2 |             |      |



| Sustainability Principle                         | Performance Indicator   | Unit of Measure | Year                      | PLASMOR PERFORMANCE            |                           | SECTOR PERFORMANCE      |      | BPCF | Target 2020 |      |
|--|---|-----------------|---------------------------|--------------------------------|---------------------------|-------------------------|------|------|-------------|------|
|  |   |                 |                           | Concrete Blocks (LW and Dense) | Concrete Blocks (Aerated) | Paving Blocks and Flags |      |      |             |      |
| Local Community                                  | % of sites with action plans for community liaison activities | %               | 2012                      | 0                              | 60.4                      | n/a                     | 44.6 | 40.5 | 100%        |      |
|  |   |                 | 2013                      | 0                              | 20.7                      | 25.0                    | 64.3 | 38.3 |             |      |
|  |   |                 | 2014                      | 0                              | 22.0                      | 25.0                    | 35.7 | 32.1 |             |      |
|  |   |                 | 2015                      | 0                              | 10.4                      | 50.0                    | 35.7 | 27.3 |             |      |
|  |   |                 | 2016                      | 0                              | 9.1                       | 33.3                    | 55.6 | 30.6 |             |      |
|  |   |                 | 2017                      | 0                              | 8.2                       | 28.6                    | 84.2 | 31.0 |             |      |
|  |   |                 | 2018                      | 0                              |                           |                         |      | 22.9 |             |      |
|  |   |                 | Complaints & prosecutions | Local Community Complaints     | Number per year           | 2012                    | 3    |      |             |      |
| 2013   | 0   | n/a             |                           |                                |                           | n/a                     | n/a  | n/a  |             |      |
| 2014   | 1   |                 |                           |                                |                           |                         |      |      |             |      |
| 2015   | 3   |                 |                           |                                |                           |                         |      |      |             |      |
| 2016   | 1   |                 |                           |                                |                           |                         |      |      |             |      |
| 2017   | 5   |                 |                           |                                |                           |                         |      |      |             |      |
| 2018   | 7   |                 |                           |                                |                           |                         |      |      |             |      |
| Convictions for air and water emissions per year | Number per year   |                 |                           | 2012                           | 0                         |                         |      |      |             | Zero |
|  |   |                 |                           | 2013                           | 0                         | n/a                     | n/a  | n/a  | n/a         |      |
|  |   |                 |                           | 2014                           | 0                         |                         |      |      |             |      |
|  |   |                 |                           | 2015                           | 0                         |                         |      |      |             |      |
|  |   |                 |                           | 2016                           | 0                         |                         |      |      |             |      |
|  |   |                 |                           | 2017                           | 0                         |                         |      |      |             |      |
|  |   |                 |                           | 2018                           | 0                         |                         |      |      |             |      |

