

# Declaration of performance

DoP number: 12802212-B1W1280

Product name:

SAWSTON BUFF

(1) Identification code of product-type is DoP-number

(2) Reference number: 12802212-B1W1280

(4)



# Wienerberger

Wienerberger NV

8500 Kortrijk Kapel ter Bede

(3) Intended use(s) in masonry walls, columns and partitions for:

unprotected masonry

(6) Assessment and verification of constancy of performance:

System 2+

(7) Notified Body:

0749

Performed:

(i) initial inspection of the manufacturing plant and of factory production control

(ii) continuous surveillance, assessment and evaluation of factory production control and issued certificate number 0749-CPD-BC2-201

## (9) Declared performance:

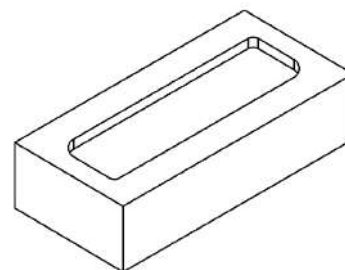
Type of unit: HD -masonry unit

### Dimensions and tolerances

|                        |          |     | Tm  | Rm |
|------------------------|----------|-----|-----|----|
| Length:                | mm       | 215 | ± 6 | 9  |
| Width:                 | mm       | 102 | ± 4 | 6  |
| Height:                | mm       | 65  | ± 3 | 5  |
| Tolerance:             | category | T1  |     |    |
| Range:                 | category | R1  |     |    |
| Flatness of bed faces: | mm       | NPD |     |    |
| Plane parallelism:     | mm       | NPD |     |    |

### Configuration

|                             |   |      |
|-----------------------------|---|------|
| Group of the unit:          | - | 1    |
| Volume of all formed voids: | % | NPD  |
| Volume of frogs:            | % | < 20 |



actual configuration may vary slightly

### Density

|                    |              |         |
|--------------------|--------------|---------|
| Gross dry density: | kg/m³        | 1450    |
| Net dry density:   | kg/m³        | 1550    |
| Tolerance:         | category / % | D1 / 10 |

### Compressive strength

|                            |       |     |
|----------------------------|-------|-----|
| Category:                  | -     | I   |
| Perpendicular to bedface:  | N/mm² | 12  |
| Perpendicular to header:   | N/mm² | NPD |
| Perpendicular to header 2: | N/mm² | NPD |

|                |       |     |
|----------------|-------|-----|
| Bond strength: | N/mm² | NPD |
|----------------|-------|-----|

|                                                  |         |      |                                       |
|--------------------------------------------------|---------|------|---------------------------------------|
| Thermal conductivity $\lambda_{10}$ , dry, unit: | W/(m·K) | 0.69 | Determination method EN 1745:2012: S1 |
|--------------------------------------------------|---------|------|---------------------------------------|

|                            |   |              |                                               |
|----------------------------|---|--------------|-----------------------------------------------|
| Water vapour permeability: | - | $\mu = 5/10$ | Tabulated min. and max. value according EN 17 |
|----------------------------|---|--------------|-----------------------------------------------|

|             |          |    |
|-------------|----------|----|
| Durability: | category | F2 |
|-------------|----------|----|

|                   |   |    |           |
|-------------------|---|----|-----------|
| Water absorption: | % | 19 | EN 772-21 |
|-------------------|---|----|-----------|

|                                   |             |          |           |
|-----------------------------------|-------------|----------|-----------|
| Initial rate of water absorption: | kg/(m²·min) | 0.01-4.1 | EN 772-11 |
|-----------------------------------|-------------|----------|-----------|

|                              |          |    |          |
|------------------------------|----------|----|----------|
| Active soluble salt content: | category | S2 | EN 772-5 |
|------------------------------|----------|----|----------|

|                    |      |     |
|--------------------|------|-----|
| Moisture movement: | mm/m | NPD |
|--------------------|------|-----|

|                   |       |    |            |
|-------------------|-------|----|------------|
| Reaction to fire: | class | A1 | EN 13501-1 |
|-------------------|-------|----|------------|

|                       |   |     |
|-----------------------|---|-----|
| Dangerous substances: | - | NPD |
|-----------------------|---|-----|

(10) The performance of the product is in accordance with the specification above.

Signed on behalf of the manufacturer:

CEO

2013-07-01

Johan Van Der Biest

Wienerberger NV  
8500 Kortrijk Kapel ter Bede

EN 771-1:2011

Supplementary national information:

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