



**STONE<sup>®</sup>  
CYCLING**

WasteBasedBrick<sup>®</sup>

# **PRODUCT INFORMATION**





**At StoneCycling we work hard on the next generation of sustainable building materials. Here's how to use them in your next project.**

#### **PRODUCT STANDARD**

WasteBasedBricks® meet the requirements of the harmonised European product standard NEN-EN 771-1 for masonry bricks. WasteBasedBricks® are produced on a project basis. Each production is provided with a declaration of performance with CE quality mark. In the Declaration of Performance (DoP) only the dimensions and the freeze-thaw class are specifically tested and declared.

#### **WARRANTY**

WasteBasedBricks® come with a 10-year manufacturer's warranty on frost resistance. This warranty is provided by the manufacturer based on a freeze-thaw test per produced order.

#### **CERTIFICATES**

##### *NL-BSB*

The WasteBasedBricks® producer has a NL-BSB product certificate based on BRL52230 "ceramic products". This demonstrates that the ceramic products supplied, including WasteBasedBricks®, meet the correct environmental hygiene specifications and the requirements of the Soil Quality Decree. See appendix 4 for the relevant valid certificate.

##### *FPC Certificate (part of CE marking)*

With a CE marking, a manufacturer declares that the product he supplies meets the European legal requirements in the field of safety, health and the environment.

EU member states are not allowed to ban a product from their market if this product is provided with a correct CE marking. A CE marking is also mandatory if a harmonised standard applies to the product. This is the case for the WasteBasedBrick® with NEN-EN77-1. Our exclusive producer Zilverschoon Randwijk has an FPC certificate. Factory Production Control (FPC) certification concerns control over the quality of procedures and inspections of the product. After a successful audit by a recognized external party, a so-called Notified Body (NoBo), the producer receives an FPC certificate that demonstrates that the procedures and inspections comply with the European standard.

#### **PROCESSING**

All WasteBasedBricks® are provided with processing instructions. These guidelines are for support only and StoneCycling takes no responsibility for the quality of the processing. If necessary, reference can be made to 'The brick masonry implementation guideline' of the KNB.



### **DILATATIONS**

Dilatation of masonry is the application of breaks in the masonry to limit stresses as a result of imposed deformation due to temperature differences, shrinkage, creep and/or subsidence of the support point and thus prevent cracking. StoneCycling offers its customers dilation advice. This advice is carried out on behalf of the customer by the TCKI in accordance with the calculation rules drawn up by the KNB. The invoice for this advice is paid by StoneCycling.

### **MAINTENANCE**

Brick facades require no maintenance and remain beautiful for a long time. In fact, a brick facade only looks better with age.

### **TOLERANCES**

The WasteBasedBrick® is a 'coarse ceramic product' and is subject to size tolerance and size variation. Dimensional tolerance is the deviation of the average size of the lot from the specified size and is indicated by factor T1, T2 or Tm. Size spread is the difference between the smallest and largest brick in the lot and is indicated by the factor R1, R2 or Rm.

### **COLOUR NUANCE**

The WasteBasedBrick® is a building material made from industrial, construction and demolition waste and the natural raw material clay. It is an intrinsic property of the WasteBasedBrick® that a nuanced product is created due to the nature of the raw materials and the way of production. That is, a product with a certain varied colour scheme. A pre-issued colour sample is always a type sample and gives an indication. No rights can be derived from this. The actual characteristics are given with a production sample.

We invite you to discover the possibilities of the WasteBasedBricks® and together make sustainable building the standard.

### **StoneCycling**

*Sustainable Building Materials*

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