



**STONE<sup>®</sup>  
CYCLING**

WasteBasedSlip<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

WasteBasedSlips® are cut from WasteBasedBricks® to which the following applies. 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

Warranty on WasteBasedSlips® is possible in consultation, depending on the application and the supporting structure. Usually the warranty is issued by the supplier of the system.

For the outer facade, StoneCycling advises to always conduct research into the sustainability of the facade system. This research can take place according to BRL1330 and facilitated by StoneCycling in consultation with the client. This research tests:

1. Thermal-shock resistance of the facade system
2. Moisture and frost resistance of the facade system
3. Adhesion strength of the facade system

### TECHNICAL SPECIFICATIONS

	Unit	Almond, Chia	Nougat, Mushroom, Wasabi	Pistachio	Orange, Radish, Blackpepper, Truffle
Dimensional tolerance	<i>Mm</i>	T1	T1	T1	T1
Size range	<i>Mm</i>	Rm	Rm	Rm	Rm
Anti-slip	<i>PTV/R</i>	67 / 12	67 / 12	67 / 12	67 / 12
Voluntary water intake	<i>Mass %</i>	7,5%	7,5%	7,5%	17%
Apparent porosity	<i>Kg/m2</i>	15%	15%	15%	30%
Apparent density	<i>G/cm3</i>	2,44	2,44	2,44	2,55
Bulk density	<i>G/cm3</i>	2,06	2,06	2,06	1,78
Freeze-thaw resistance		Compliant	Compliant	Compliant	Compliant
Breaking strength	<i>N/mm2</i>	5300	5300	5300	1700
Bending tensile strength	<i>N/mm2</i>	16	16	16	3
Bonding strength	<i>G/mm2</i>	0,16	0,16	0,16	0,16
Fire reaction	<i>Cat.</i>	A1	A1	A1	A1
Hazardous substances	<i>NL-BBK</i>	Compliant	Compliant	Compliant	Compliant



## **PROCESSING**

All WasteBasedSlips® are provided with processing instructions. These guidelines are for support only and StoneCycling takes no responsibility for the quality of the processing.

## **MAINTENANCE**

StoneCycling recommends that you always draw up a project-specific maintenance plan together with the processing party and client. In general, we can recommend the maintenance below. StoneCycling's WasteBasedSlips® require no maintenance and will only become more beautiful and more nuanced over time.

Because WasteBasedSlips® naturally have a suction effect, you can choose to use an impregnating agent. This ensures that the stones do not absorb moisture and are dirt-repellent.

## **CLEANING**

Weekly wipe, sweep or vacuum to remove dust and small particles of dirt. For floors: Light scrub with a scrubbing machine & light brush (no detergent).

## **DILATIONS**

Dilatation of WasteBasedSlips® 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.

## **TOLERANCES**

The WasteBasedSlip® 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 WasteBasedSlip® is a building material made from industrial, construction and demolition waste and the natural raw material clay. It is an intrinsic property of the WasteBasedSlip® 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 WasteBasedSlips® and together make sustainable building the standard.

## **StoneCycling**

*Sustainable Building Materials*

stonecycling.com / info@stonecycling.com