



# Automne water-permeable clay pavers

## MATERIALS

### Joint filler

Vande Moortel H2O Clay Paving Sand is a naturally pure crushed sand originating from the process of crushing natural stone. Its natural form is angular and sharp with virtually no fine particles smaller than 0.063 mm (NBN EN 933-1) and a grain thickness of up to 2 mm. The colour is dark grey to anthracite.

#### Packaging and consumption of H2O Clay Paving Sand

Packaging	Per 25 kg bag
<u>Consumption</u>	
SeptimA/Elegantia	4.0 m <sup>2</sup> per 25 kg
Ancienne Belgique	3.0 m <sup>2</sup> per 25 kg
DecimA WF/DF	2.5 m <sup>2</sup> per 25 kg

### Paving layer

Vande Moortel H2O Bedding Course is recommended for the paving layer. This crushed sand has a fraction of 2/4 and the quality required for good durable water permeability. That means that the Los Angeles coefficient (LA – resistance to crushing) must not exceed 20 and the Micro-Deval coefficient (MDE – resistance to abrasion) must not exceed 15.

#### Packaging and consumption of H2O Bedding Course

Packaging	Per 40 kg bag
Consumption (thickness 3 cm after compression)	Approximately 0.85 m <sup>2</sup> per 40 kg

### Water-permeable crushed stone foundations

Draining lean-mixed concrete foundations are most suitable for zones with a significant number of passages of heavy traffic. For all other applications, an unbound, preferably continuous water-permeable crushed stone sub-base layer with a sufficient load-bearing capacity can be used.

In Flanders: in accordance with SB250 version 4.1.a, section 5-4.13 and section 3-7.1.2.15

In Brussels: in accordance with TB2015, section E.4.2

In Wallonia: in accordance with Qualiroutes 20 July 2021, section F.4.2.1 (subject to the restriction of the number of fine constituents) or in accordance with section F.4.2.1.4.

### Additional information on the use of draining lean-mixed concrete

For a draining lean-mixed concrete sub-base, according to the recommendations of the Research Centre for Road Construction (OCW) (memorandum 04/05/06 2022), a geotextile according to PTV 829 is provided in order to prevent the seepage of fine particles from the paving layer.

In Flanders: in accordance with SB250 version 4.1.a, section 5-4.10

In Brussels: in accordance with TB2015, section E.4.5

In Wallonia: in accordance with Qualiroutes 20 July 2021, section F. 4.6

### Water-permeable crushed stone sub-foundations

It is recommended to use the same materials as the ones used for the crushed stone sub-base layer. Mixed rubble or masonry rubble is therefore not recommended. The properties for a water-permeable crushed stone sub-base layer can also be found in SB250 version 4.1.a, section 5 – 3.6.

### Geotextile - Geogrid

In addition, a geotextile and geogrid can be laid under the sub-foundations to improve the load-bearing capacity if the subsoil is saturated. Geotextile type 2.5B, non-woven according to SB250 version 4.1.a

Geogrid in SB250 version 4.1.a. section 3 – 13.3.2.2.

## MAINTENANCE

Water-permeable paving constructed using clay pavers is low-maintenance. Cleaning can be carried out using a jet washer. The contaminated joint material released is removed from the paving.



**VANDE MOORTE**  
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