

CLAY PAVERS

Carmine red water-permeable clay pavers

VANDE MOORTEL H2O NATURAL CLAY PAVING
The pavement (the whole of the paving including clay pavers, laying bed, sub-base layer and any sub-foundations) has a surface permeability of > 5.4 * 10-5 m/s.

COLOUR
Carmine red

Product description
The bricks are formed individually in the unsanded mould to a solid mass, pressed from clay of alluvial origin from an area located in the Scheldt basin and fired in a tunnel oven at a temperature of approximately 1180°C. On the narrow side the bricks have an unsanded surface structure.

TECHNICAL CHARACTERISTICS
The pavers are delivered with the following characteristics, in accordance with the CE and UKCA mark:

CE label according to EN 1344 : 2013 / AC : 2015

Manufacturing dimensions (L x W x H) : *235x36x72 mm
Quantity / m² with a traditional joint : ca. 111

PHYSICAL AND MECHANICAL PROPERTIES ACCORDING TO EN 1344: 2013 / AC: 2015

Aspect	Class	Mean	Individual
Water absorption NBN EN771	W3	Max 5%	Max 6%
Transverse breaking load	T4	Min 80 N/mm	Min 64 N/mm
Abrasion resistance	A2 (+)	Max 600 mm³	Max 800 mm³
Frost resistance	FP100	freeze/thaw resistant	freeze/thaw resistant
Wet skid resistance	U3	>55	
Acid resistance	C	< 7%	
Size tolerance	R1	Max. ± 0,4 √d	Max. 0,6 √d

LAYING
The clay pavers are laid on edge. In the case of water-permeable paving, the slope can be restricted to 1% in order to allow infiltration. The clay pavers are to be laid loosely against each other with a minimum joint (2 to 3 mm), if necessary with a slightly wider joint in places in order to keep to the bond.

Before vibrating the paving, a suitable water-permeable jointing material with a permeability of > 5.4 * 10-5 m/s is embedded between the clay pavers. Check the filter stability of the jointing sand in respect of the paving layer beforehand. This sand is applied for the first time until the clay pavers are stable and seated firmly so that they can no longer press against each other during vibration. During vibration, a rubber mat is placed underneath the vibration plate in order to prevent damage to the clay pavers. After vibration, jointing sand should be spread over the whole surface again and swept in several times. Repeat the procedure until the clay pavers can no longer move and the joint is completely filled. Only then is the paved surface ready for use.

APPLICATION
The use of water-permeable clay pavers is however restricted to OCW traffic categories II, III and IV. In practice, a maximum of 100 trucks (> 3.5 tons) and 5,000 light vehicles (< 3.5 tons) per day is expected. Due to the relatively restricted joint width, the paving remains easy to walk on and drive on, and a normal level of comfort is maintained in terms of use and noise. The clay paver also retains its normal strength and resistance to acids and de-icing salts.



VANDE MOORTEL
CLAY PAVERS • FACING BRICKS • SLIPS

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