

Instructions for use for Hagemeister façade clinker bricks

ORDERING

Where possible, order all of the clinker bricks that you require for your construction project or for each different section. Subsequent deliveries lead to higher costs and may deviate in terms of shape and colour if they cannot be sourced from the same firing procedure. Please be aware that clinker bricks are construction materials made from natural raw materials.

STORAGE

Clinker bricks should be unloaded carefully, stored off the floor and protected against dirt and exposure to the elements.

BRICKLAYING

Clinker bricks should be mixed, meaning that you should use bricks from several different pallets at the same time. When you remove clinker bricks from the pallets, do not take them out in layers but instead diagonally from different layers (as printed on the film in which the pallet is wrapped). If you require brick segments, for example for generating an offset, do not hammer them but instead cut them. Lay the clinker bricks with full mortar pointing. Protect the freshly laid brickwork against being soaked with water by covering it until the masonry mortar has fully hardened. Lay the bricks cleanly and neatly and keep the working environment, including scaffolding, clean. Keep the brickwork covered until it has been given the final coating of weather protection; redirect the roof drainage.

Tidy bricklaying involves much less work than subsequent cleaning!

Reverse faces: Hagemeister clinker bricks may have two stretcher faces, the standard visible face and the rough reverse face, which is often also attractive! Depending on the line and the preference of the building owner, clinker bricks can either be laid using both faces, only the visible faces or only the reverse faces.

Mortar: The composition and consistency of the mortar must be suitable for the planned use and the absorption capacity of the clinker brick being laid. Do not coat the clinker bricks with any dry or set mortar! Factory-made mortar in Mortar Class IIa as factory-mixed dry mortar is recommended and should be chosen ahead of construction site mortar. An alternative: construction site mortar in accordance with DIN 1053, Annex A – Masonry Mortar – table A1, Mortar Class II or IIa, lime-cement mortar in Mortar Class II or IIa.

CLEANING & POINTING

Clean clinker bricks with water – avoid using acids! (German Construction Contract Procedures (VOB), DIN 18330 : 2006-10 3.2.5). Clean the brickwork properly with a coarse scrubbing brush before pointing. Only use special cleaning agents in the case of severe soiling. Pre-wet the bricks from the bottom to the top until they are saturated with water, then wash them thoroughly from top to bottom. Cleaning the bricks with a pressure washer has also proven to be a successful approach. When jointing, namely laying bricks and pointing in one procedure: Immediately after it has started to set but is still able to be shaped, use a piece of wood, a piece of tube or a small spoon to apply the mortar. When subsequently pointing: Once the masonry mortar has stiffened, rake out the joints to a depth of at least 1.5 cm, but no deeper than the thickness of the outer shell, ensuring that the edges remain clean. Pre-clean the face brick surfaces in a dry state and remove mortar residue from the joints. The jointing mortar must be moist to malleable and should be applied in two work steps within an hour of being mixed. All hollow spaces should be filled completely, and the point at which the head joint and bed joint intersect should be connected homogeneously. Do not carry out pointing during dry weather, under strong sun exposure or in windy conditions. Where possible, use factory-mixed dry mortar from Class IIa. Protect jointed brickwork from the rain until the jointing mortar has hardened completely.

Hagemeister clinker bricks have been proven to contain no efflorescent substances!!! Faults, especially efflorescence on finished clinker brick walls, almost always result from a disturbed water balance in the brickwork due to construction mistakes – and can therefore be avoided!

Detailed explanations with accompanying images can also be found in the Hagemeister brickwork construction video at www.hagemeister.de, www.klinkerkultur.de or by scanning the QR code on the right!

