



EN

KLEIB C14 M5 MASONRY MORTAR FOR THIN JOINTS CLASS 5

for interior and exterior use

KLEIB
PROFESSIONAL

- convenient and economical in use
- excellent adhesion and flexibility
- possibility to use for joints with the thickness from 1 mm
- frost resistant
- waterproof

USE

KLEIB C14 M5 is a masonry mortar intended for the erection of structural and non-structural walls made of autoclaved aerated concrete, brick, hollow block, and other types of ceramic, concrete or limestone and sand materials. The mortar allows to bond elements of masonry with thin joints of the thickness from 1 mm. The maximum joint thickness should not exceed 5 mm. The mortar can also be used for surface levelling and putting (layer thickness 1-5 mm). For indoor and outdoor use.

WORKING SURFACE PREPARATION

The surfaces of the parts to be bonded shall be free from dust and crushed fragments. In order to obtain a thin joint with a uniform mortar thickness over the entire length of the layer, it is recommended to grind and remove dust from the surface of previously bonded blocks. When levelling or putting, the surface should be dry, stable, even and load-bearing. Excessively absorbent surfaces should be primed with KLEIB G1 primer before performing any work.

MIXING THE MORTAR

The mortar is prepared by pouring dry mix into a container with a measured amount of water and mixing until a smooth, uniform consistency is obtained. The mortar is ready to use after 5 minutes and after remixing. Prepared mortar is to be used within approx. 3 hours.

APPLICATION

KLEIB C14 M5 should be distributed evenly using a notched trowel on a horizontal plane of masonry elements. It should also be applied on vertical contact planes, unless the technology provides for a different method of joining. Each subsequent laid element should be pressed and set with a rubber hammer to the desired position. Do not apply the mortar on a too large surface at a time, as it retains its adhesive properties for approximately 7 minutes after spreading (depending on the parameters of the substrate and environmental conditions). Tools should be washed with water immediately after use.

USAGE

Homogenous wall thickness	Mortar layer thickness 3 mm	From a 25 kg bag
12 cm	approx. 4 kg/m ²	approx. 6.2 m ²
18 cm	approx. 6 kg/m ²	approx. 4.2 m ²
24 cm	approx. 8 kg/m ²	approx. 3.1 m ²
30 cm	approx. 10 kg/m ²	approx. 2.5 m ²
36 cm	approx. 12 kg/m ²	approx. 2.1 m ²

STORAGE

The mortar must be transported and stored in tightly sealed bags, in dry conditions (preferably on pallets). The shelf life is up to 12 months from the manufacturing date on the packaging.

TECHNICAL SPECIFICATIONS

Mixing ratio	0.19-0.21 litre of water per 1 kg of mortar
	4.75-5.25 litres of water per 25 kg of mortar
Preservation of operational properties	approx. 3 h
Working surface temperature and ambient temperature during work	+5°C to +30°C
Temperature resistance during use	up to +60°C
Minimum thickness of mortar layer	1 mm
Maximum thickness of mortar layer	5 mm

	net weight	pieces per pallet	consumption
C14 M5	25 kg	54	approx. 4-12 kg/m²