


EN

BETON B20

Dry cement mix, for preparing C16/20 class concrete and for the protection and repair of concrete structures

- very good adhesion to working surfaces
- very good workability and ease of work
- high compressive strength
- for interior and exterior use

USE

KLEiB C24 Beton B20 is a dry cement mix allowing to obtain C16/20 class concrete for all concrete works - underfloors, pressure layers, lean concretes, etc. It is also applied in case of non-structural repairs of concrete structures.

WORKING SURFACE PREPARATION

The substrate should be stable, structurally sound and clean, i.e. free from impurities that could impair the adhesion of the mortar, such as dust, bitumen, grease, oil or emulsion paint residues. Excessively absorbent surfaces should be primed with KLEiB G1 primer before performing any work.

MIXING THE MORTAR

The mortar is prepared by pouring the entire contents of the bag into a container with a measured amount of water and mixing until a smooth, lump-free uniform consistency is obtained. This is best done using a concrete mixer or an electric drill with a mixer attachment in case of minor works. The mortar is ready to use after 5 minutes and after remixing. Prepared mortar is to be used within approx. 1 hour.

INSTRUCTIONS FOR USE

In the case of concreting works, the technology of carrying out these works, appropriate standards and the good construction engineering practice must be followed. In particular, avoid dropping the mixture from the height of more than 1m; compact and trowel the mixture accordingly. Works should be carried out at temperatures from +5°C to +30°C. Protect fresh concrete from drying out too quickly. When working on the protection and repair of concrete structures, the principles of EN 1504-9 must be observed.

USAGE

Approximately 2 kg of mass are used per 1m², with the thickness of 1.0 mm.

STORAGE AND TRANSPORT

The mortar must be transported and stored in tightly sealed bags, in dry conditions (preferably on pallets). Protect from dampness. Shelf life in conditions that comply with the specified requirements is up to 12 months from the production date on the packaging.

TECHNICAL SPECIFICATIONS

Mixing ratio	0.12-0.14 l of water per 1 kg of mortar
	3.0-3.5 l of water per 25 kg of mortar
Working surface temperature and ambient temperature during work	between +5°C and +30°C
Bulk density	≥ 1800 kg/m ³
Characteristic compressive strength according to EN 206 (f _{ck} , cube)	20 MPa

C ²⁴	net weight	pieces per pallet	consumption
		25 kg	54