KERGBETOON

LIGHTWEIGHT CONCRETE

FILLING AND LEVELLING CONCRETE

Compressive strength class LC16/18 EVS-EN 206

FOR POURING LEVELLING LAYERS
FILLER CONCRETE FOR FLOORS
HARDENED CONCRETE HAS BETTER SOUND AND HEAT INSULATION PROPERTIES THAN ORDINARY CONCRETE

TO BE USED INDOORS ONLY.

COMPOSITION

- Aerate glass granule (2-4 mm), quartz sand, Portland cement and additives enhancing treatment.

PREPARATIONS

- Pour the required quantity of the dry mix in the mixing bowl or mixer.
- Add water 20-22% of the mix weight. (3-3.3 litres per 15 kg bag).
- Stir mechanically or manually until the mix is completely wet.
- Once mixed, the mixture should be used within 2 hours after adding water.

TECHNICAL SPECIFICATION

Compressive strength class of hardened lightweight concrete **LC16/18** pursuant to EVS-EN 206.
A 15 kg bag makes approx. 14 litres of ready concrete. (0.014 m^3)
Concrete hardening in ordinary conditions will achieve the following approximate compressive strength values:

24 hours	2 MPa
2 days	6 MPa
3 days	10 MPa
7 days	14 MPa
28 days over	18 MPa

NB! Lower temperatures slow the hardening process of concrete.

Dry mix density	0.75 kg/dm^3	
Specific weight of hardened lightweight concrete	1-1.1 kg/dm^3	Density class D 1,2
Chloride class	CL 1.0	
Water vapour diffusion resistance factor μ	8 / 6 (dry / wet)	Tabulated value of standard EVS-EN 12524-2006.
Specific heat conductivity λ	1.15 W/(m•K)	Tabulated value of standard EVS-EN 12524-2006.
Working temperature	+1^{0}C to +30^{0}C	

RECOMMENDATIONS – WARNINGS

- Recommended layer thickness 30 mm as a minimum.
- If necessary, floor reinforcement should be used.
- For finishing hardened concrete surfaces, use a self-levelling floor compound (PÕRANDANAKS or NOBENAKS).
- For pouring a levelling layer on light concrete, we recommend using a primer NAKKEDISPERSIOON.
- When working with lightweight concrete the temperature of the substrate and environment shall be in plus degrees. Avoid freezing of the newly poured concrete.
- When drying fresh surfaces must be protected from rain and direct exposure of sunshine.
- This product contains cement. Contact with water will cause an alkaline reaction. Can cause skin irritation. In the event of contact with eyes, rinse immediately with plenty of water. For more detailed information please refer to the Safety Data Sheet.

STORAGE

- Store bagged mix powder in a dry room.
- The storage time of mixed powder is 12 months.