

HEMP FOR CONSTRUCTION

The bag of IsoHemp hemp is the guarantee of using quality aggregate especially suitable for building applications. Mixed with ProKalk lime, this hemp enables the manufacture of lightweight insulating concrete quickly and easily prepared on site. It can be used both for renovation and in new builds.



Advantages

-  Suitable for building
-  Performance guarantee with ProKalk
-  Very low dust levels
-  Locally sourced

Technical characteristics	Value	Unit
Bulk density	100	kg/m ³
Grading	2 to 25	mm



HOW TO MAKE HEMP CONCRETE?

By combining IsoHemp hemp and ProKalk lime, hemp concrete manufacture has never been easier. Just mix hemp and lime with water in the proportions indicated in the table depending on the desired application.

It is advisable to use a planetary mixer or a concrete mixer. Firstly, pour 80% of the quantity of water required and the ProKalk lime into the machine. Wait a few minutes until a laitance appears. Then, gradually add the necessary Hemp amount until obtaining a pasty mixture. Add the remaining 20% of water and adjust if necessary. Be careful not to rotate the mixture too long to avoid the formation of small balls. Use concrete hemp quickly. Repeat the process as often as necessary.

Packaging	Value	Unit
Dimensions of a pallet	120 x 80 x 240	cm
Weight of a pallet	420	kg
Number of bags per pallet	21	bags/pallet
Volume of a bag	200	L
Storage	Dry and in the shade	
Storage life	6	months

PRE-FORMULATED BINDER FOR HEMP CONCRETE



ProKalk lime is a pre-formulated binder specially adapted for the manufacture of hemp concrete. It is composed of hydraulic lime and aerated lime. It is a ready to use product for preparing mixtures directly on-site, in order to prevent any risk of incorrect dosage. It is used both for manual application in a mixer, as well as in a dedicated hemp concrete spraying machine.

Technical characteristics	Value	Unit
Bulk density	700	kg/m ³
Usage time	30	min



Advantages

-  A 100% natural product
-  Suitable for mixing and spraying machines
-  Insulation from cold and heat
-  Humidity control



Hemp concrete may also be used in addition to IsoHemp hemp blocks in specific applications, if for example, the walls to be insulated are not straight. In this case, it is advisable to fill the void between the existing wall and the new hemp block wall with the correct dosage.

Applications	Dry density	Dosage		
		ProKalk (kg)	Hemp (kg)	Water (L)
Wall	300kg/m ³	40	200	50
Filling	200kg/m ³	20	200	25

Packaging	Value	Unit
Dimensions of a pallet	120 x 100 x 120	cm
Weight of a pallet	1	t
Number of bags per pallet	48	bags/pallet
Weight of a bag	20	kg
Storage	Dry and away from moisture	
Storage life	6	months