



## Description

Earth adhesive mortar made from unpolluted, undisturbed soil.

## Circularity

±99% secondary resources  
100% Closed Loop Recycling  
100% Reusable

## Manufacturer

BC materials in Brussels, Belgium



## Product

### Composition

- Loess loam from excavated urban sites (mineral waste stream)
- Brusseliaansand from excavated urban sites (mineral waste stream)
- Cellulose



Loess loam



Brusseliaansand



Cellulose

<b>Physical properties</b>			
Density class	1,6 kg/m <sup>3</sup>		DIN18946
Strength class	M2,5		DIN18946
Particle size <1mm	≥99,5%		DIN18946
Oversize particles 1mm – 2mm	≤0,5%		DIN18946
Linear shrinkage	4%		DIN18946
Compressive strength	2,5 N/mm <sup>2</sup>		DIN18946
Initial shear strength	0,2 N/mm <sup>2</sup>		DIN18946 EN1052-3
Water vapor diffusion number μ	5/10		DIN18946
Thermal conductivity λ	0,9 W/m <sup>2</sup> K		DIN18946
Fire Reaction	A1 (Non-flammable)		DIN18946
Global Warming Potential	See TS EB-CEB		DIN18946 EN15804:A2
Environmental Impact (LCA)	See TS EB-CEB		DIN18946 EN15804:A2
VOC-emissions	<a href="#">VOC-free</a>		EN 16516

**Shelf life** Can be kept indefinitely when dry.

**Packaging** Dry, 25kg paperbag with plastic film.

**Usage** 3mm joints without mortar loss in halfblock masonry:

MEB_b:	9,5 kg/m <sup>2</sup>	25kg = 2,6m <sup>2</sup>
MEB_c:	15 kg/m <sup>2</sup>	25kg = 1,7m <sup>2</sup>
MEB_o:	7,6 kg/m <sup>2</sup>	25kg = 3,3m <sup>2</sup>
CEB_90:	4,3 kg/m <sup>2</sup>	25kg = 5,8m <sup>2</sup>
CEB_140:	6,7 kg/m <sup>2</sup>	25kg = 3,8m <sup>2</sup>
CEB_190:	9 kg/m <sup>2</sup>	25kg = 2,8m <sup>2</sup>







## Field of application

Earth masonry mortar for 3 mm joints in (non-)loadbearing earth block masonry. Suitable for damp rooms, do not apply in areas in direct contact with water. Protect from washing away by rain during construction site works. See our Guide to Léém Earth Block Guide for more information on design and execution guidelines


## Characteristics

Circular material in origin: Valorization of a "waste" stream  
 Circular material in destination: infinitely reusable  
 CO2 neutral: no combustion required to produce the building material  
 Made of undisturbed, unpolluted soil  
 Moisture and heat regulating  
 Vapor-open  
 Anti-static  
 Reduces acoustic transmission and reverberation  
 Colorstable  
 Non-flammable  
 Airtight  
 Repairable

## Execution

 <b>Storage</b>	Store in a dry place, lifted from the ground.
 <b>Conditions</b>	Upon execution, the temperature of the air and substrate should be minimum 5°C.
 <b>Application</b>	The rules of craftsmanship are carefully followed when masonry. Prewet earth blocks before applying mortar. Add 8-9l of water until plastic consistency. Let rest 30 minutes before application. Please check Léém Earth Block Guide for conception and execution guidelines.
 <b>Drying time</b>	Under normal conditions (20°C and 60% relative humidity), the masoned wall will dry in 28 days. A building dryer can be used.
 <b>Tools</b>	Tub, mortar mixer, adhesive mortar mixer
 <b>Disposal</b>	Before disposing of Léém Adhesive Mortar residues, remember to recover and reuse them on site, or let them dry and save them for future repairs. When used correctly, Léém Adhesive Mortar is harmless to humans and the environment. After having dried out, residues can be disposed of with household waste or non-hazardous inert waste.

## Legislation

 <b>Conformity</b>	Complies with Brussels Soil Ordinance and Decree March 29, 2018. Complies with Flemish Soil Decree and its implementation rules (VLAREMA and VLAREBO). Tested on 40+ parameters of pollution: Non-polluted resources: No PCB, asbestos, PFC, lead, flame retardants, phthalates, isocyanates, PFAS, ...
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### Disclaimer

The information in this product description has been compiled with the greatest care. Compensation claims, unless they result from factory mixing errors, are excluded. With each new edition of the product information, the validity of the previous edition expires.