

CP-CF\_x, CP-CF\_b, CP-CF\_c, CP-CF\_g



### Description

Clay finish  
made from unpolluted,  
undisturbed soil.

### Circularity

±60% secondary resources  
100% Closed Loop Recycling  
100% Reusable

### Manufacturer

BC materials in Brussels, Belgium



Red

Brown

Cream

Grey

## Produit

### Composition

- Wallemerod, Meudt, Hirschauer and Neuenahr Clays
- Loess loam from excavated urban sites (mineral waste stream)
- Brusseliaansand from excavated urban sites (mineral waste stream)
- Quartzsand
- Cellulose <1%



Clays



Loess loam








Brusseliaansand



Quartzsand



Cellulose

 <b>Designation</b>	Lehmputzmörtel (LPM) – DIN 18947 –O/1 (f) – S II – 1,8		
 <b>Physical properties</b>	Density class	1800 kg/m <sup>3</sup>	DIN 18947
	Strength class	SII	DIN 18947
	Particle size <1mm	≥95%	DIN 18947
	Oversize particles 1mm – 1,4mm	≤5%	DIN 18947
	Compressive strength	≥1,5 N/mm <sup>2</sup>	DIN 18947
	Flexion strength	≥0,7 N/mm <sup>2</sup>	DIN 18947
	Adhesive strength	≥0,1 N/mm <sup>2</sup>	DIN 18947
	Abrasion	≤0,2 g	DVL TM06 DIN 18947
	Impact diameter	<15mm	EN 520
	Water vapor diffusion number $\mu$	5/10	DIN 18947
	Thermal conductivity $\lambda$	0,9 W/mK	DIN 18947
	Fire Reaction	A1 (Non-flammable)	DIN 18947
	VOC-emissions	<a href="#">VOC-free</a>	EN 16516
 <b>Shelf life</b>	Can be kept indefinitely when stored dry, cold and exempted from frost. Can be kept for 6 weeks after mixing with water.		
 <b>Packaging</b>	Dry powder in 25 kg paperbag. Straw fibers on demand.		
 <b>Usage</b>	Thickness 1,5mm – 2,7 kg/m <sup>2</sup> Thickness 3mm – 5,4kg/m <sup>2</sup> , Amount of water: 8 l – 10 l for 25 kg Store extra for future repairs.		

## Field of application

1,5 – 3 mm thick topcoat for interior and exterior walls and ceilings protected from the weather. Exceptionally as a base coat on flat, stable and suitable substrates. Suitable for damp rooms, do not apply to surfaces in direct contact with water. Check the Léém Clay Plasters & Paints guide for more info.

## 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 and fire resistant  
 Repairable  
 VOC-free  
 Free of microplastics

## Execution

<b>Storage</b>	Store in a dry place, lifted from the ground. The prepared Clay Finish mixture has a workable time of 24 hours, provided it is covered, which can be extended when it is remixed with water, without exceeding its 6-week shelf life in its liquid state.
<b>Conditions</b>	During application, the air temperature must be > 5°C. The substrate must be frost-free, stable, firm, adequately coarse and clean. Pre-treatment may be necessary with different types of primer for different types of substrate. See our Léém Clay Plasters & Paint Guide for further instructions on priming.
<b>Application</b>	<p><b>Preparation of the mixture:</b> Mix the dry mass vigorously with clean water using a mortar mixer. Leave the mixture to stand for 30 minutes, then mix again for 1 to 2 minutes. Stir the mixture regularly as needed.</p> <p><b>Sample application:</b> In all cases, the suitability of the entire surface structure of the primer and coating should be tested by means of a sample application over a sufficient area.</p> <p><b>Application:</b> The rules of craftsmanship are carefully observed when applying rendering. The topcoat can be floated, sponged or textured.</p> <p><b>Colour homogeneity:</b> To paint adjoining surfaces, mix sufficient Clay Finish per mural surface, if needed from several packets. To avoid differences in colour, work without interruption and use the prepared mixture within 24 hours. Because of the natural ingredients, the possibility of variations in colour cannot be ruled out.</p> <p><b>Colour blends:</b> Different Léém Clay Finish colours (Cream, Brown, Grey and/or Red) can be blended in controlled proportions to achieve new colours.</p> <p><b>See our Guide</b> for Léém Clay Plasters &amp; Paints for colour blending guidelines, and more.</p>
<b>Drying time</b>	Under normal conditions (20°C and 50% relative humidity), the plastered wall will dry in 2 to 4 days. A building dryer can be used.
<b>Tools</b>	Tub, mortar mixer, plant sprayer, trowel board, stainless steel trowel, float, stainless steel spackle knife, sponge, plastic trowel and float, dustpan (wallpaper brush), painter's tape, dry mix spray pump G4/Ritmo/Bapro One, ...
<b>Disposal</b>	Before disposing of Léém Clay Finish residues, remember to recover and reuse them on site, or let them dry and save them for future repairs. When used correctly, Léém Clay Finish is harmless to humans and the environment. After having dried out, residues can be disposed of with household waste or non-hazardous inert waste, and not as PDD (Petits Déchets Dangereux).

## 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.