



Legacem

**Fiber-reinforced adhesive and smoothing plaster
for applying and smoothing cellular cement
blocks in indoor and outdoor applications.**



Fields of application:

- for applying cellular cement blocks;
- for smoothing cellular cement walls;
- for smoothing walls with insulated or cement-based renders;

- professional use only.

Characteristics:

Legacem is made of special polymers able to give a high thixotropy to the mixture. The addition of innovative water-retaining celluloses and fibers ensure a perfect adhesion on cellular concrete blocks and also eliminate any shrinkage stress. This product is indicated for indoor and outdoor civil, commercial and industrial applications.

Preparation:

before using the product as a smooth coat, dampen the wall to treat.

Application:

Legacem must be mixed with 6 l of water every 25 kg bag with a low speed stirrer, till getting a smooth mixture free of lumps. Do not add other hydraulic binders or aggregates. For building walls, apply the product with the 8 mm toothed trowel pressing the blocks carefully so as to remove possible air residues. For smoothing cellular cement blocks initially apply a first coat of **Legacem** with trowel, then apply another coat with thickness of 2/3 mm, burying the net **Fibrocem I 50**, then smooth again and finish.

Quality and Environmental Standards:

Legacem undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2015.

CE	Opera Srl Via degli Scavi 19/21 47122 Forlì - Italy
DOP-IT-01-036 LEGACEM GRIGIO EN 998-2:2010	
Masonry mortar with guaranteed performance in thin coat for the indoor and outdoor application on masonry elements subject to structural requirements	
Resistance to compression	M10
Initial cutting adhesion	0.3 N/mm ² (cable value)
Chloride content	≤ 0.1 %
Fire reaction	Class A1
Water absorption	0.8 kg (m ² ·min ^{0.5})
Vapor permeability	μ 5/20 (cable value)
Thermal conductivity (λ 10, dry)	0.41 W/mK (cable average value, P=50%)
Release of harmful substances:	See Safety data sheet

Characteristics	Application methods	Consumption
One-component Thixotropic Resistant to sulfates High workability For indoor and outdoor application Granulometry: 0.5 mm	Trowel Spatula	1.4 kg/m ² every mm of thickness for smoothing 5-7 kg/m ² for applying
		Storage Shelf life of 12 months in the original packages and in a fresh, dry place

Code	Product	Form and color	Packages	Pallet
107025 107030	Legacem Legacem	Grey White	25 kg 25 kg	1500 kg 1500 kg

Warning:

- do not apply in temperatures below +5°C;
- after application as a smoothing coat, ensure the area treated sets properly by making sure the water does not evaporate too fast;
- do not stack too many blocks before the adhesive underneath has enough mechanical resistance to bear the load;
- do not apply Legacem in thicknesses of less than 15 mm per coat.



Technical and application specifications

Hazard classification as per Directive 99/45/EC:	irritant
Mixing water:	23-25% (weight) - i.e. 6 l per 25 kg bag
Specific weight of mixture:	1.65 g/cm³
Mixture pH:	approx. 12
Application temperature:	from +5°C to +30°C
Thickness applicable:	from 1 to 15 mm
Initial setting:	after 24 hours
Final setting:	after 14 days

FINAL PERFORMANCE SPECIFICATIONS

Reaction to fire (EN 13501-1):	Euro A1 Class
Water absorption by capillarity (EN 1015-18):	≤ 0.6 kg/m² min^{0.5}
Compression resistance (EN 998-2):	M10 Class
Cut strength on cellular CLS (EN 1052-3):	≥ 0.3 N/mm²
Chloride content (EN 1015-17):	≤ 0.1% Cl
Thermic conductivity (Val. Tab. EN 1745:2002):	l = 0,37 W/mk
Water vapor permeability coefficient (Val. Tab. EN 1015:19):	μ = 5/20
Adhesion to the brick support (EN 1015-12):	> 1,00 N/mm² - FP = B
Room/ambient temperature:	from -30°C to +90°C
Resistance to damp, ageing, solvents and oils:	excellent
Harmonised customs code:	38245090

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.