

# MICROPOZ

Build Green

## Technical Information

# Micropoz<sup>®</sup>

## Ready Mix Lime Binder

### Description

**Micropoz<sup>®</sup> Ready Mix Lime Binder (RMLB)** is a special binder formulated with high purity lime and highly reactive pozzolans. Does not contain soluble salts or Portland cement.

### Application

**Micropoz<sup>®</sup> Ready Mix Lime Binder (RMLB)** is used in the preparation of different hempcretes as follows: In-situ walls (non-structural), floor slabs, screeds, and roof insulation.

### Advantages

- Easy to use, just mix: Hurd, **Micropoz<sup>®</sup> Ready Mix Lime Binder (RMLB)** and water.
- Develops a hempcrete mixture with fast setting and high pozzolanic activity.



# MICROPOZ

Build Green

## Technical data

## Micropoz® Ready Mix Lime Binder (RMLB)

Type:	Lime binder
Appearance:	White-off powder
Fineness:	7-10 % retained in US 325 mesh (45 microns)
pH	11-12

## Physical properties

## Mix: Micropoz® Ready Mix Lime Binder (RMLB) : sand (1.0:3.0 w/w)

Setting time (ASTM C-191)	
Initial set:	60 minutes approx.
Final set:	120 minutes approx.

## Strength in mortars(kg/cm<sup>2</sup>)

## Mix: Micropoz® Ready Mix Lime Binder (RMLB) : sand (1.0:3.0 w/w)

	1 day	7 days	28 days
Compressive (ASTM C-109)	15	42	74
Flexural (ASTM C-348)	----	----	15
Elasticity Modulus (GPa) (ASTM C-215)	----	----	8
Expansion (%) (ASTM C-878)	----	----	0.055

## Packaging, Handling and Storing

Packaging:	55 lb. paper bag.
Handling:	Use rubber gloves, dust filter mask, well fitted goggles.
Storage:	Dry warehouse.
Shelf life:	12 months

## Mix proportions with Micropoz® Ready Mix Lime Binder + sand + hurd + water

### Floor slab and screed:

Material	Parts in volume	Parts in weight
Micropoz® RMLB	1 bag	55.00 lb
Sand or tuff	2 cuvettes	92.40 lb
Hurd	8 cuvettes	33.00 lb
Water	3 cuvettes	14.20 gal

### Roof insulation:

Material	Parts in volume	Parts in weight
Micropoz® RMLB	1 bag	55.00 lb
Hurd	12 cuvettes	48.40 lb
Water	3 cuvettes	14.20 gal

### In-situ walls (non structural):

Material	Parts in volume	Parts in weight
Micropoz® RMLB	1 bag	55.00 lb
Hurd	8 cuvettes	33.00 lb
Water	3 cuvettes	14.20 gal

# MICROPOZ

Build Green

**KEEP CONTAINER TIGHTLY CLOSED  
NOT FOR INTERNAL CONSUMPTION**

**KEEP OUT REACH OF CHILDREN  
FOR INDUSTRIAL USE ONLY**

**CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION**

Granding warrants its products to be free from manufacturing defects and to meet Granding's current published properties when applied in accordance with Granding directions and tested in accordance with ASTM and Granding Standards. Users determine suitability of product for use and assume all risks. Buyer's sole remedy shall be limited to the replacement of product and excludes labor or the cost of labor. Any claim for breach of this warranty must be brought within one year of the date of purchase.

---

**Manufactured in Mexico by: Granding International SA CV**

**Office:** Exuberancia # 10 Col. Esmeralda. Jiutepec, Morelos. 62555 Tel / Fax (+52-1-777) 319-7747

**e-mail:** [contacto@granding-mexico.com](mailto:contacto@granding-mexico.com)

**[www.granding-mexico-com](http://www.granding-mexico-com)**