

MICROPOZ

Build Green

Technical Information

Micropoz®

Mineral Catalyst

Description

Micropoz® Mineral Catalyst is a special mineral blend to be used to formulate a fast setting and high pozzolanic activity lime binder.

Application

Micropoz® Mineral Catalyst 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, hydrated lime, **Micropoz®** Mineral Catalyst, and water.
- Promotes fast setting and high pozzolanic activity properties to the mixture.



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Technical Data

Micropoz® Mineral Catalyst

Type:	Mineral blend
Appearance:	reddish powder
Fineness:	7-10 % retained in US 325 mesh (45 microns)
pH	11-12

Physical properties

Mix: Micropoz® Mineral Catalyst: lime: sand (0.20:0.80:3.0 w/w)

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

Strength in mortars(kg/cm²)

Mix: Micropoz® Mineral Catalyst: lime: sand (0.20:0.80:3.0 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® Mineral Catalyst + lime + hurd + water.

Roof insulation:

Material	Parts in volume	Parts in weight
Micropoz® Mineral Catalyst	0.20 bag	11.00 lb
Hydrated lime	1 bag	55.00 lb
Hurd	12 cuvettes	48.50 lb
Water	3 cuvettes	14.20 gal

In-situ walls (non structural):

Material	Parts in volume	Parts in weight
Micropoz® Mineral Catalyst	0.20 bag	11.00 lb
Hydrated lime	1 bag	55.00 lb
Hurd	8 cuvettes	33.00 lb
Water	3 cuvettes	14.20 gal

Mix proportions with Micropoz® Mineral Catalyst + lime + sand + hurd + water.

Floor slab and screed:

Material	Parts in volume	Parts in weight
Micropoz® Mineral Catalyst	0.20 bag	11.00 lb
Hydrated lime	1 bag	55.00 lb
Sand or tuff	2 cuvettes	92.60 lb
Hurd	8 cuvettes	33.00 lb
Water	3 cuvettes	14.20 gal

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**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

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