

# HEMPBINDER



Product: Lime & Pozzolanic Binder for Hemp Lime Biocomposites



## WHAT IS THE R-VALUE OF HEMPCRETE?

The R-Value of Hempcrete ranges from R2.2 per inch to R2.5 per inch, dependent on density. This relatively low thermal resistance compared to other insulating materials does not take into account the thermal mass or phase shift regulating capacity of hempcrete.

## IS HEMPCRETE STRUCTURAL?

Hempcrete is not intended to be a structural or load bearing material. It cannot replace concrete. It is not intended for ground contact or below grade applications.

## CAN I INSTALL HEMPCRETE AGAINST OSB OR PLYWOOD?

Hempcrete should not be installed against OSB or plywood. It is a vapor open wall assembly. Consult a structural engineer for methods to gain shear value resistance without plywood or OSB.

## WHAT EQUIPMENT DO I NEED?

Consult our HEMPBINDER Product Guide to get an understanding of what equipment and tools are required for hempcrete installation.

## HOW DO I CALCULATE HOW MUCH MATERIAL I NEED?

Calculate the cubic footage of your wall volume. Visit [www.buy.hempitecture.com](http://www.buy.hempitecture.com) to input your cubic footage to generate an estimate of how much material you need. Our estimation tool will also calculate shipping rates.

## CAN I USE FOR RENOVATION?

In some instances, you can use hempcrete for renovations. Hempcrete must be installed in a vapor open system. Therefore, design considerations must be made to determine if hempcrete is compatible with your renovation.

## WHAT IS THE COST?

Determine the cost of materials by calculating your cubic footage and getting an estimate from [www.buy.hempitecture.com](http://www.buy.hempitecture.com)

Labor costs will vary and the total cost of your installation will be based on local labor rates and the complexity of your design.

## DOES HEMPITECTURE INSTALL?

No.

## DOES HEMPITECTURE CONSULT?

Yes. You can book a consultation through [www.hempitecture.com](http://www.hempitecture.com)

## DOES HEMPITECTURE TRAIN?

In some instances, Hempitecture can train contractors to assist in completing a project.

## WHERE DO I BUY HEMPCRETE?

Buy hempcrete materials through [www.buy.hempitecture.com](http://www.buy.hempitecture.com)

## CAN I USE DRYWALL AGAINST HEMPCRETE?

No. Hempcrete requires vapor open wall designs and should be finished with lime plaster or vented siding / cladding.

## HOW IS CAST IN PLACE DIFFERENT FROM BLOCKS?

Cast in place hempcrete is a mixed on site, cast on site building method that uses temporary form boards to create the cavity in which hempcrete is installed. Hempcrete blocks are pre-cured and delivered to site in various dimensions. They are installed similarly to masonry based blocks, but they are not structural or load bearing.

## IS HEMPCRETE CODE COMPLIANT

Hempcrete is an accepted building strategy for 1 story construction projects as referenced in the ICC Appendix. However, information should be presented to local code compliance officials to ensure its acceptance on a local level.

## HOW DO I FINISH HEMPCRETE?

Hempcrete should be finished with vapor open materials or assemblies. Lime plaster is recommended to be applied directly to the surface of a hempcrete wall. Alternatively, vented rain screen details or back vented siding could be applied on the exterior.

## CAN I LEAVE HEMPCRETE EXPOSED?

Hempcrete should only be left exposed for aesthetic display in extremely limited circumstances. Hempcrete should be rendered for protection and improved air tightness.

## WHERE CAN I LEARN MORE?

Our Product Guide is a great place to start. There are also numerous published books that provide more information on hempcrete.