



# HESplus

## HempLime Additive

### 100% NATURAL MINERAL BLEND

- HESplus is added to hemp hurds and hydrated lime (calcium hydroxide) to make HES-mix.
- HES-mix is a HempLime product (US patented), in composition and process, which is used for building and insulating new or existing structures.
- HES-mix has undergone European testing standards for fire resistance, thermal conductivity, water absorptivity and strength.
- HES-mix is the only HempLime product which absorbs CO<sub>2</sub> and continues to carbonate when using hydrated lime.

#### HES-MIX RECIPE

20kg hemp hurd (44 lbs)  
25 kg high calcium hydrated lime (55 lbs)  
3 kg HESplus (6.6 lbs)  
43 litres clean water (11 gallons)

#### MIXING INSTRUCTIONS

1. Empty 20 kg / 44 lb of hemp hurd into the HES-mixer
2. Turn on the HES-mixer
3. Add 20 L / 5.5 gal of water and allow to mix for a minute until hemp is saturated
4. Add 25 kg / 55lb lime gradually and evenly
5. Add 13 L / 3 gal of water evenly
6. Add HESplus gradually and evenly
7. Add remaining 10 L / 2.7 gal of water and allow to mix for 2 minutes until the mix is HOMOGENEOUS
8. Mix should be sticky and not too wet.

#### MATERIAL SAFETY DATA

<b>PRODUCT NAME</b>	HES PLUS
<b>HAZARDOUS INGREDIENTS</b>	NONE
<b>PHYSICAL DATA</b>	COMBINATION OF NON-TOXIC NATURAL MINERALS
<b>FIRE/EXPLOSION HAZARD DATA</b>	NONE
<b>REACTIVITY DATA</b>	IT CATALYSES THE CARBONATION PROCESS OF CALCIUM HYDROXIDE WHEN MIXED WITH WATER AND PURE CALCIUM HYDROXIDE
<b>TOXICOLOGICAL PROPERTIES</b>	NONE
<b>PREVENTATIVE MEASURES</b>	WEAR A DUST MASK, SAFETY EYEWEAR AND GLOVES
<b>FIRST AID MEASURES</b>	IF INHALED OR INGESTED RINSE OUT WITH FRESH WATER. IT IS NON-TOXIC AND NOT HARMFUL. YOU MAY TOUCH IT WITH BARE SKIN
<b>PREPARATION INFORMATION OF MSDS AND DATE</b>	HES SWITZERLAND , JULY 20, 2019

For information about building with HempLime visit  
[www.hempecosystems.org](http://www.hempecosystems.org)

**3 kg**  
**6.6 lbs**