



BIO BETON®: INDUSTRIAL APPROACH TO HEMP BUILDING



14th November 2023

Senini Headquarters Montichiari, Italy



UNI EN ISO 9001



UNI EN ISO 14001



ecoTOP® SUPERIOR

Intellectual Property: Patent & Brands



**Brevetto Europeo
EP3121156B1**



HEMP SHIVES

+



WATER

+



PROBIOTICS

+



LIME

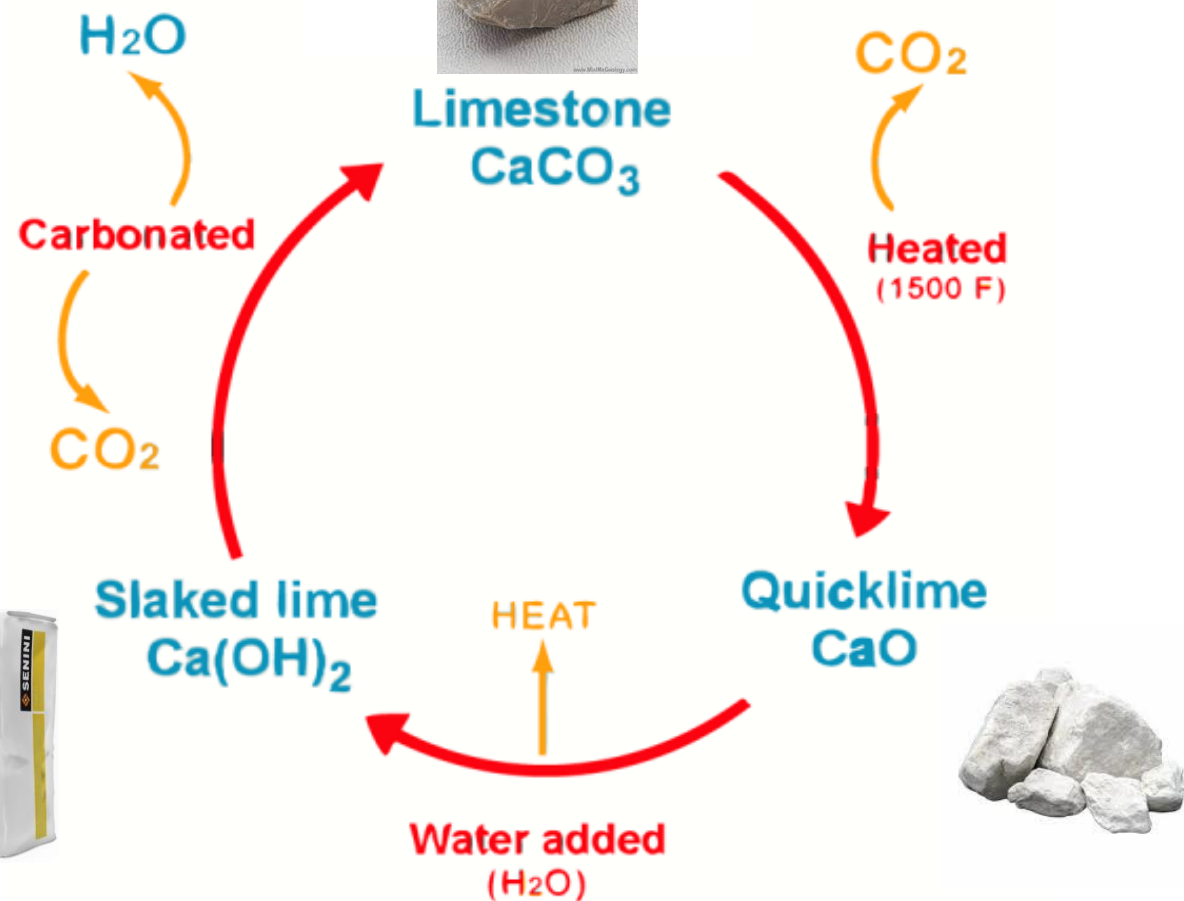
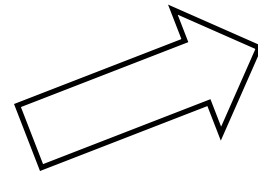


Why Probiotics?

Faster hempcrete
drying and hardening



PROBIOTICS



Manufacturing *Blocco Ambiente*®



Rai 3 HD

**INDOVINA CHI
VIENE A CENA**

 **800 172 553**

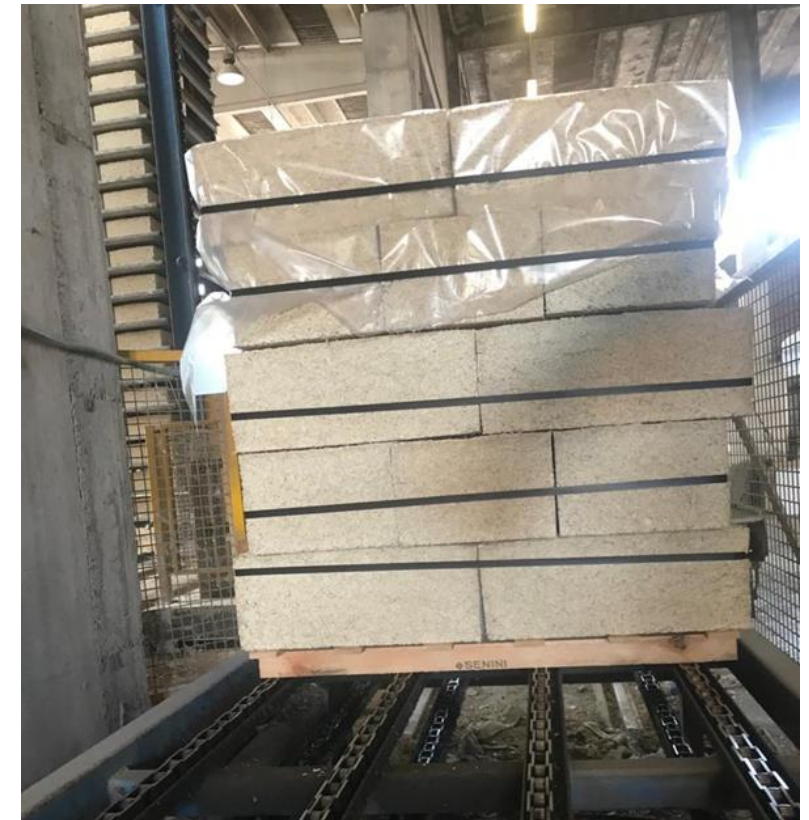
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Manufacturing *Blocco Ambiente*®



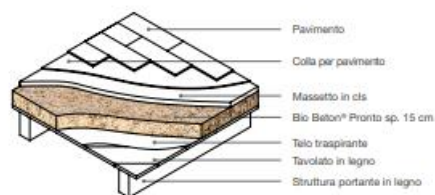
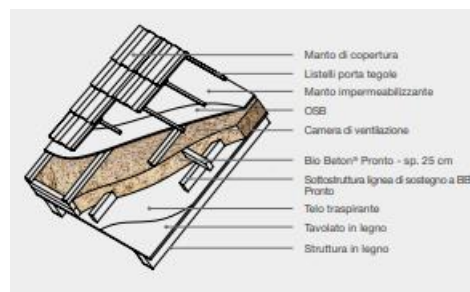
Manufacturing *Blocco Ambiente*®



Manufacturing *Blocco Ambiente*®



Manufacturing *Bio Beton*® Pronto



Manufacturing *Bio Beton®* Jet



HempJet[®] Machine Kit

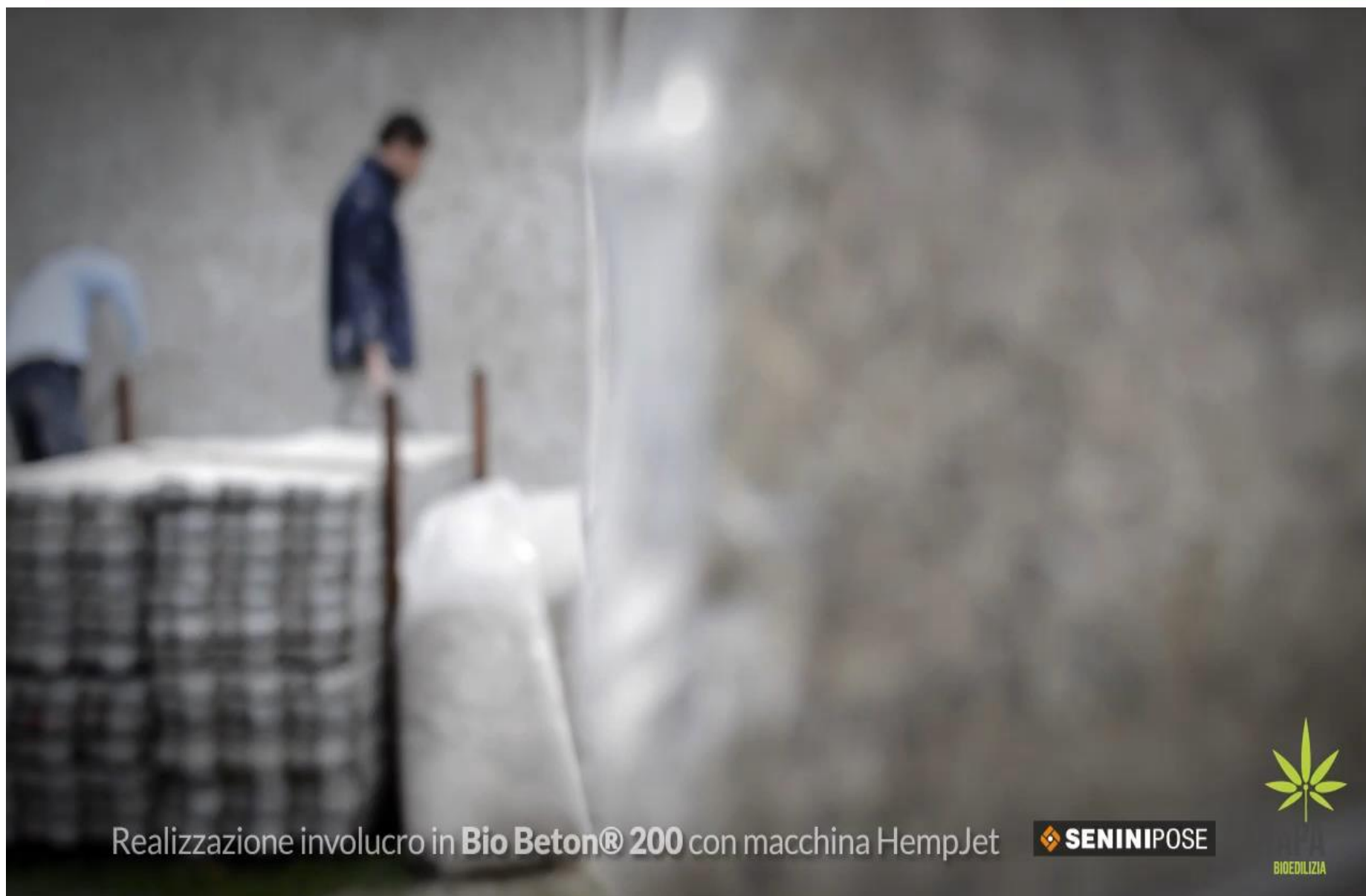


Hemp shives blowing device



Lime binder mixing and supplying device

Manufacturing *Bio Beton*® Jet



Realizzazione involucro in **Bio Beton® 200** con macchina HempJet



Environmental Product Declaration



ENVIRONMENTAL PRODUCT DECLARATION

HEMP AND LIME BIOCOMPOSITE BUILDING PRODUCTS



**BLOCCO
AMBIENTE**



**BIO BETON
PRONTO**



**BIO BETON
200 JET**



TABLE 17 CO₂ STORAGE PER CUBE METER OF PRODUCT

U.D.M.	BLOCCO AMBIENTE	BIO BETON PRONTO	BIO BETON JET
kg CO ₂ eq./m ³	-44.2	-105.3	-104.0

CO₂ Counter & Certified Carbon Credits



Your home that Breathes

-1019.4

▼ Tons of CO₂ removed from air as of 31/03/2023

-302.4

Blocco Ambiente®

-381

Bio Beton Pronto®

-335.94

Bio Beton Jet®



National and International Development



» IN ITALIA

CENTINAIA DI CANTIERI DA NORD A SUD



» ALL'ESTERO

UNA RETE DI PARTNER E DISTRIBUTORI IN CRESCITA



A growing network of:

- Clients
- Architects
- Builders
- Distributors & Licensee partners

Mo.He Boutique Hotel

Italy - 2023



Divinya Sweden - 2019



Divinya Sweden - 2021



The Hemp Block Co. England - 2022



The Hemp Block Co. England - 2022



The Historic Structure Co. Ireland – 2022



Other International Projects



- France



- Slovakia



- Switzerland



- United States



- Israel



- Australia



- Japan



Awards



9800 Green Vision Award, 2022



Finalist Klimahouse Prize, 2022



Green Innovation Award, 2019



Mention Fecons, Cuba, 2022



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