

Features of Hemp Insulation & Building Materials:

- Extremely high thermal resistance
- Absorbs & releases moisture without affecting thermal performance
- No chemical additives
- Hemp is a natural raw material
- It does not cause irritation
- It is not affected by mould growth or insect attack as hemp fibre contains no proteins
- Hemp creates a natural living climate
- Lightweight, easy to handle, flexible & convenient to install
- It is available in rolls & mats
- It has a high thermal mass
- It offers outstanding fire protection

As environment awareness grows, more developers and homeowners are choosing hemp for indoor air quality, warmth, comfort and energy-efficiency.

For more information or to place an order contact:



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High performance, economical & beautiful

Bio degradable and ecologically harmless, hemp building and insulation materials build healthier environments to live and work in, while being environmentally friendly to construct and maintain.

Hemp is free from all polluting additives making it safe to work with in both the production, fitting, and installation, plus there are no problems when it comes to disposal of materials after use.

Hemp absorbs carbon from our atmosphere while being a low energy-consumption material to produce. It takes 1.84 tonnes of CO² to make a tonne of dry hemp. The more we use natural resources like hemp the less CO² in our atmosphere!



100% NATURAL  RECYCLABLE



Buy in rolls
or panels

Hemp Insulation

for attics and walls of timber-frame builds

Rolls:

100mm & 120mm thick x 60cm width
x 8 metre rolls.

€16.95 per m²

Panels:

100mm & 120mm thick, x 1.2 metre length
x 60cm width

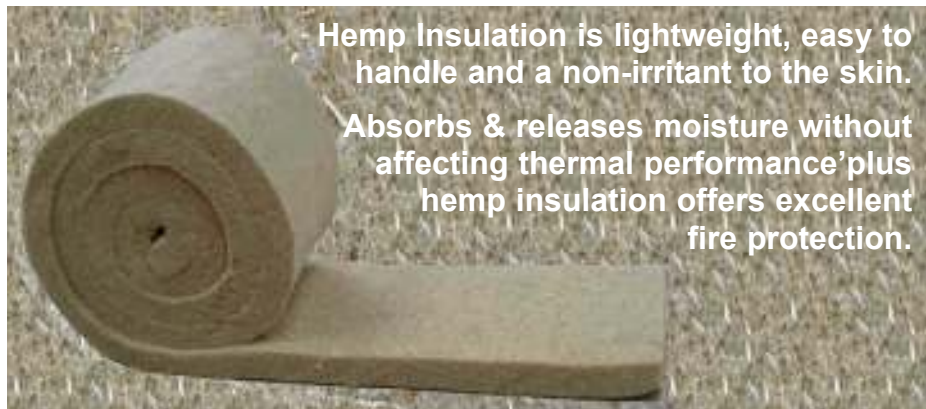
€17.95 per m²

Ideal for allergy sufferers

Natural hemp fibres help regulate moisture and provides a safe environment with no harmful airborne particles. Hemp insulation has no allergies associated with it.

Hemp Insulation is a flexible thermal insulation made from natural hemp fibres, renowned for its excellent thermal and environment-friendly qualities. Hemp as a perennial plant uses solar energy in an ideal way and makes an immediate contribution to the reduction of CO² emissions.

Hemp insulation materials are innovative products which protect against heat, cold and sound and help to save energy as they are produced by an environmentally sensitive process, and are 100% recyclable.



Hemp Insulation is lightweight, easy to handle and a non-irritant to the skin.

Absorbs & releases moisture without affecting thermal performance, plus hemp insulation offers excellent fire protection.

Industrial hemp: an environment-friendly, bio-resource

Selectively bred to minimize the THC (narcotic) content, industrial hemp is licensed and aided by the EU and grown for fibre and seed oil production.

The Hemp plant grows well in Ireland as trials by Hemp Ireland and Teagasc have demonstrated. In a broad range of climates and soil types hemp yields a rich abundance (circa. 8-12 tonnes per annum), of quality natural raw materials: fibre, shive, hurd, and seed (rich in edible proteins and essential oils).

Industrial buildings, such as Adnam's (UK) new brewery depot, showcase the opportunity for mainstream developers to boost energy-efficiency and dramatically reduce greenhouse gas emissions. In Germany, France, the UK and elsewhere hemp building and insulation products have won numerous awards and commendations from technical and health experts. As we spend 90% of our lives indoors, indoor air quality is important. Hemp insulation helps create a warm comfortable interior environment.

Hemp insulation materials has several performance advantages:

- Hemp is a durable long-lasting renewable material.
- Hemp insulation has a low thermal conductivity, or U-value, of 0.040 KW/m.
- Hemp absorbs and distributes moisture allowing the wall to breathe and thereby reducing humidity and condensation indoors.

In successive tests, the energy efficiency of installed hemp building and insulating materials surpasses expectations. Thermal conductivity is just one aspect of energy performance. Convection and radiation also matter. A material's capacity to hold heat, deal with moisture and extreme cold maximises real energy efficiency, directly reducing your heating fuel bills.



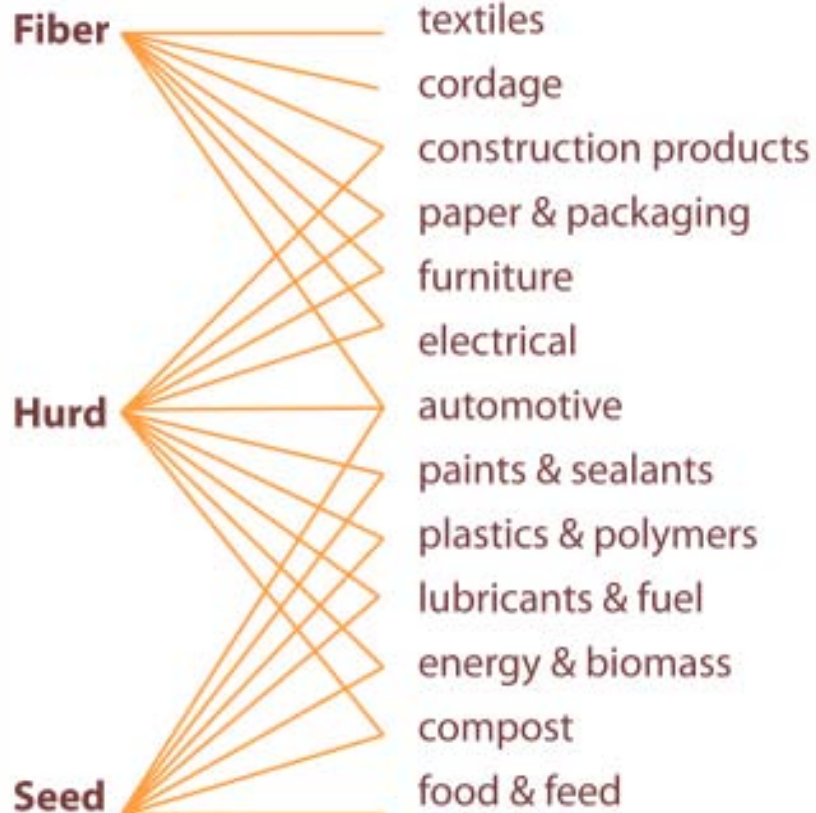
What is hemp?

Cannabis Sativa L. is the scientific name for the hemp plant. Cannabis is a tall, woody plant that will grow in practically any climate. Industrial hemp is mainly fibre, wood and seeds, it is the non-psychoactive cannabis species grown as a source of fibre, wood and seed.

The stalk of the hemp plant produces one of the strongest natural fibres in the world. It is used, for making rope, textiles and paper. The seed of the hemp plant contains highly nutritional oil, high in Omega 3, 6, and 9, for human and animal consumption.

Hemp cultivation was important throughout Europe up until WWII. The only country to maintain continuous hemp cultivation has been France.

Industrial Applications of Hemp (*Cannabis Sativa L.*)



Hemp Insulation ~ Underlay

Made from 75% hemp & 25% recycled jute.

Hemp Underlay is a multi-purpose non-woven hemp fibers underlay for acoustic absorption.

€3.95 per m²



SISALEX Vapour Barrier

Hemp derived vapour barrier for insulated ceilings and roofs.

€179.50 per roll



Ampcoll Tape

Extra strong adhesive tape for sealing overlapping layers, of airtight vapor checks and barriers.

50m x 5cm rolls

€39.95 per roll

Hemp insulation is easy to use, be it in the construction of new buildings, renovations and DIY jobs, suitable for roofs, walls and floors. hemp insulation can be recycled in future conversions.

Biobase Horse Bedding

Far superior to woodshavings and straw in terms of warmth and value for money, no allergies, no hoof rot, composts in as little as three months.

BioBase is suitable for all hoofed animals and for use in organic chicken and rabbit farming.

Requires 3 bales per stable (12' x 12') to start and 1 bale per week thereafter.

€12.50 per 15kg bale



Vets recommend using BioBase

Made from 100% fibre hemp wood, hemp wood's natural absorptive capacity is significantly higher than that of conventional materials, it takes up moisture, smells and ammonia.

BioBase makes a springy and insulating stable bedding that is ideal for the horse's hoof. Its structure prevents the material from clinging to the animal's hooves. Acidification of stable bedding such as wood shavings frequently affects the hooves. Farriers seldom establish hoof rot or other problems where hemp litter is used.

Unlike wood shavings and straw BioBase is virtually dust-free and has a moisture-regulating effect. Vets advise the use of hemp litter for horses with allergies or bronchial problems, and is equally beneficial for grooms with similar disorders.

BioBase saves on labour as the stable bedding can stay put for a longer period, reducing consumption. In just two to three months BioBase will turn your dungheap into high-grade organic garden compost.



Mini-Hemp - Pet Bedding

No dust, no allergies, and fully compostable hemp hurd bedding for small animals and birds.

€2.95 per 12L pack

€6.96 per 48L pack



Mini-Hemp



Hemp litter is used to cover floors of cages for pets such as rabbits, guinea-pigs and birds. It is made from the delicate woody core of fibre hemp. Mini-Hemp provides a hygienic and comfortable pet habitat and it is perfect for the cat box too.

Due to hemp wood's natural spongelike quality, moisture and odours are easily soaked up. Ammonia in particular is bound and absorbed by hemp litter. Mini-Hemp is user friendly and can stay put for longer periods than other pet litters.